

## Rabbit anti-Human ABCC3 Polyclonal Antibody | anti-ABCC3 antibody

Anti-ABCC3 Antibody Picoband

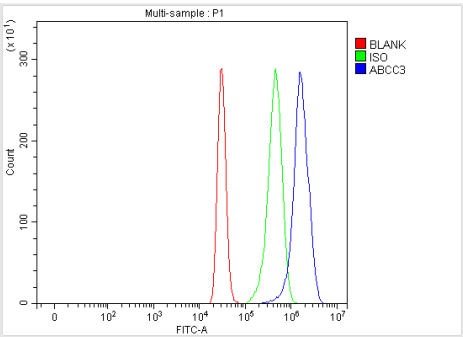
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA127116 | Rabbit | Human      | Flow Cytometry, Functional Assay, Western Blot, ELISA |

### PRODUCT SYNONYMS

ABCC3; Polyclonal Antibody; Anti-ABCC3 Antibody Picoband; BAG family molecular chaperone regulator 1; Fc fragment of IgG receptor Ia; High affinity immunoglobulin gamma Fc receptor I; IgG Fc receptor I; Fc-gamma RI; FcRI; Fc-gamma RIA; FcgammaRIa; CD64; FCGR1A; FCG1; FCGR1; IGFR1; anti-ABCC3 antibody

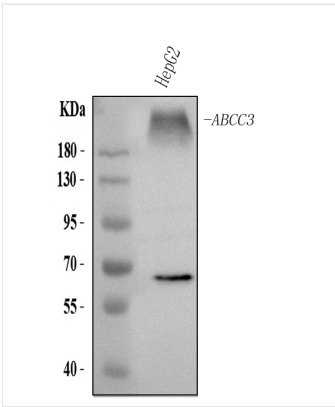
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                            |
| Specificity                                     | Monocyte/macrophage specific.                                                                                                                                                                                         |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                          |
| Form/Format                                     | Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                |
| Applicable Applications for anti-ABCC3 antibody | FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA                                                                                                                                                                   |
| Immunogen                                       | E coli-derived human ABCC3 recombinant protein (Position: H22-G1351).                                                                                                                                                 |
| Subcellular Localization                        | Cell membrane                                                                                                                                                                                                         |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                              |
| Cross Reactivity                                | No cross-reactivity with other proteins.                                                                                                                                                                              |
| Protein Function                                | High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.                                                                                            |
| Preparation and Storage                         | At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing. |



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-ABCC3 antibody (AAA127116).Overlay histogram showing HepG2 cells stained with AAA127116 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ABCC3 Antibody (AAA127116, 1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of ABCC3 using anti-ABCC3 antibody (AAA127116).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human HepG2 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ABCC3 antigen affinity purified polyclonal antibody (#AAA127116) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ABCC3 at approximately 200 kDa. The expected band size for ABCC3 is at 200 kDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ABCC3 antibody | The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Categories/Family for anti-ABCC3 antibody   | Primary Antibodies; Immunoglobulins; Immunology; Innate Immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                          | 1. Belinsky, M. G., Bain, L. J., Balsara, B. B., Testa, J. R., Kruh, G. D. Characterization of MOAT-C and MOAT-D, new members of the MRP/cMOAT subfamily of transporter proteins. J. Nat. Cancer Inst. 90: 1735-1741, 1998. 2. Fromm, M. F., Leake, B., Roden, D. M., Wilkinson, G. R., Kim, R. B. Human MRP3 transporter: identification of the 5-prime flanking region, genomic organization and alternative splice variants. Biochim. Biophys. Acta 1415: 369-374, 1999. 3. Kiuchi, Y., Suzuki, H., Hirohashi, T., Tyson, C. A., Sugiyama, Y. cDNA cloning and inducible expression of human multidrug resistance associated protein 3 (MRP3). FEBS Lett. 433: 149-152,1998. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 221316556                                                                              |
| NCBI GeneID                      | 8714                                                                                   |
| NCBI Accession #                 | NP_001137542.1                                                                         |
| NCBI GenBank Nucleotide #        | NM_001144070.1                                                                         |
| UniProt Accession #              | O15438; O60265; O60922; O75621; O95078; O95289; O95290; Q86X85; Q9UN52; B2RPA9; D3DTX9 |
| Molecular Weight                 | 169,343 Da                                                                             |
| NCBI Official Full Name          | canalicular multispecific organic anion transporter 2 isoform 2                        |
| NCBI Official Synonym Full Names | ATP-binding cassette, sub-family C (CFTR/MRP), member 3                                |
| NCBI Official Symbol             | ABCC3                                                                                  |

|                                      |                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Synonym Symbols</b> | MLP2; MRP3; ABC31; MOAT-D; cMOAT2; EST90757                                                                                                                                                                                                                     |
| <b>NCBI Protein Information</b>      | canalicular multispecific organic anion transporter 2; multidrug resistance associated protein; multidrug resistance-associated protein 3; ATP-binding cassette sub-family C member 3; multi-specific organic anion transporter D; canicular multispecific orga |
| <b>UniProt Protein Name</b>          | Canalicular multispecific organic anion transporter 2                                                                                                                                                                                                           |
| <b>UniProt Gene Name</b>             | <b>ABCC3</b>                                                                                                                                                                                                                                                    |
| <b>UniProt Synonym Gene Names</b>    | CMOAT2; MLP2; MRP3; MOAT-D                                                                                                                                                                                                                                      |
| <b>UniProt Entry Name</b>            | MRP3_HUMAN                                                                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/abcc3-antibody-flow-cytometry-western-blot-elisa/127116>