

## Rabbit BEX3 Polyclonal Antibody | anti-BEX3 antibody

Anti-BEX3 Antibody Picoband

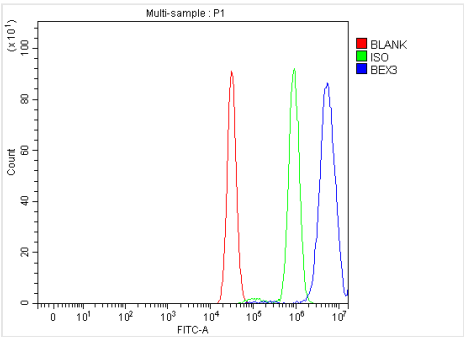
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                          |
|-----------|--------|-------------------|-------------------------------------------------------|
| AAA126557 | Rabbit | Human, Mouse, Rat | ELISA, Flow Cytometry, Functional Assay, Western Blot |

### PRODUCT SYNONYMS

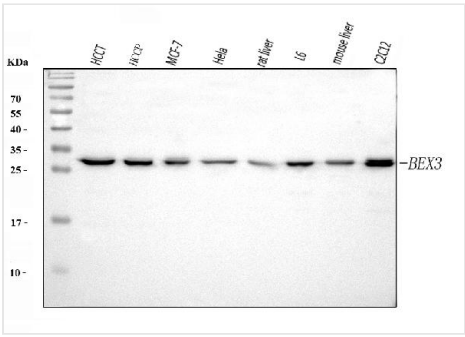
BEX3; Polyclonal Antibody; Anti-BEX3 Antibody Picoband; anti-BEX3 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                    | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-BEX3 antibody | ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)                                                                                                                                                                          |
| Reconstitution                                 | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                      | E Coli-derived human BEX3 recombinant protein (Position: Q39-H103).                                                                                                                                                          |
| Preparation and Storage                        | Store 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 MCF-7 cells using anti-BEX3 antibody (AAA126557).Overlay histogram showing MCF-7 cells stained with AAA126557 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BEX3 Antibody (AAA126557, 1 ug/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 (1 ug/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 BEX3 using anti-BEX3 antibody (AAA126557).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 HCCT tissue lysates,Lane 2: human HCCP tissue lysates,Lane 3: human MCF-7 whole cell lysates,Lane 4: human Hela whole cell lysates,Lane 5: rat liver tissue lysates,Lane 6: rat L6 whole cell lysates,Lane 7: mouse liver tissue lysates,Lane 8: mouse C2C12 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-BEX3 antigen affinity purified polyclonal antibody (#AAA126557) at 0.5 ug/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 BEX3 at approximately 28 kDa. The expected band size for BEX3 is at 28 kDa.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BEX3 antibody | Protein BEX3 is a protein that in humans is encoded by the NGFRAP1 gene. NGFRAP1 (nerve growth factor receptor associated protein 1), also called BEX3 (brain-expressed X-linked protein 3), NADE (p75NTR-associated death executor) or FAP-1 (Fas-associated phosphatase-1), is a 24 kDa member of the BEX protein family. A nuclear export signal (aa 77-87) allows NGFRAP1 to export bound p75NTR. It is widely expressed, but highest in ovarian granulosa cells, testis, prostate, seminal vesicle and liver. Except for a 13-19 amino acid (aa) rodent Arg/His region at aa 35 that is not found in humans, human NGFRAP1 shares 94% aa identity with mouse and rat NGFRAP1. In humans, a 101 aa isoform with an alternative start site at aa 11 has been described. |
| Product Categories/Family for anti-BEX3 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 547642                                                                                                                                 |
| NCBI GeneID                      | 27018                                                                                                                                  |
| UniProt Accession #              | Q00994; Q5JQT4; Q5JQT5; B2RD17; D3DXA3                                                                                                 |
| Molecular Weight                 | 111                                                                                                                                    |
| NCBI Official Full Name          | Protein BEX3                                                                                                                           |
| NCBI Official Synonym Full Names | nerve growth factor receptor (TNFRSF16) associated protein 1                                                                           |
| NCBI Official Symbol             | NGFRAP1                                                                                                                                |
| NCBI Official Synonym Symbols    | Bex; BEX3; NADE; HGR74; DXS6984E                                                                                                       |
| NCBI Protein Information         | protein BEX3; brain-expressed X-linked protein 3; p75NTR-associated cell death executor; ovarian granulosa cell 13.0 kDa protein HGR74 |
| UniProt Protein Name             | Protein BEX3                                                                                                                           |

|                            |                      |
|----------------------------|----------------------|
| UniProt Gene Name          | NGFRAP1              |
| UniProt Synonym Gene Names | BEX3; DXS6984E; NADE |
| UniProt Entry Name         | BEX3_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/bex3-antibody-flow-cytometry-western-blot-elisa/126557>