

## Rabbit anti-Human ABCA4 Polyclonal Antibody | anti-ABCA4 antibody

ABCA4 Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA303625</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

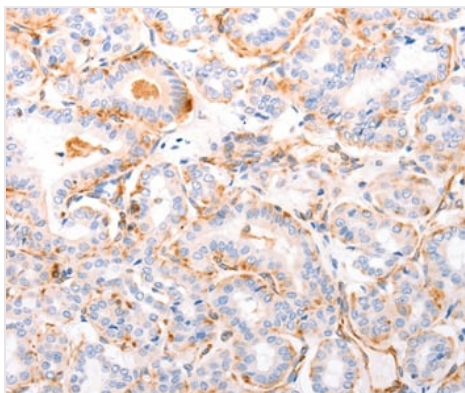
### PRODUCT SYNONYMS

ABCA4; Polyclonal Antibody; ABCA4 Antibody; FFM; RMP; ABCR; RP19; STGD; ABC10; ARMD2; CORD3; STGD1; anti-ABCA4 antibody

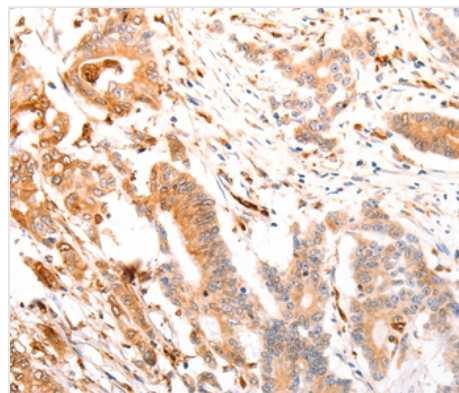
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                  |
| Reactivity                                      | Human                                                                                                                                   |
| Clonality                                       | Polyclonal                                                                                                                              |
| Specificity                                     | The antibody detects endogenous levels of total ABCA4 protein.                                                                          |
| Purity/Purification                             | Antigen affinity purification.                                                                                                          |
| Form/Format                                     | Rabbit IgG in pH 7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.                                                                        |
| Concentration                                   | 0.9 mg/ml (varies by lot)                                                                                                               |
| Sequence Length                                 | 2273                                                                                                                                    |
| Applicable Applications for anti-ABCA4 antibody | IHC (Immunohistochemistry)                                                                                                              |
| Immunogen Type                                  | Peptide                                                                                                                                 |
| Immunogen Description                           | Synthetic peptide corresponding to a region derived from internal residues of human ATP-binding cassette, sub-family A (ABC1), member 4 |
| Target Name                                     | ABCA4                                                                                                                                   |
| Preparation and Storage                         | Store at -20 degree C                                                                                                                   |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using at dilution 1/25.


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using at dilution 1/25.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ABCA4 antibody | The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This protein is a retina-specific ABC transporter with N-retinylidene-PE as a substrate. It is expressed exclusively in retina photoreceptor cells, indicating the gene product mediates transport of an essential molecule across the photoreceptor cell membrane. Mutations in this gene are found in patients identified with Stargardt disease, a form of juvenile-onset macular degeneration. Mutations in this gene are also associated with retinitis pigmentosa-19, cone-rod dystrophy type 3, early-onset severe retinal dystrophy, fundus flavimaculatus, and macular degeneration age-related 2. |
| Product Categories/Family for anti-ABCA4 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 105990541                                              |
| NCBI GeneID                      | 24                                                     |
| NCBI Accession #                 | NP_000341.2                                            |
| NCBI GenBank Nucleotide #        | NM_000350.2                                            |
| UniProt Accession #              | P78363; O15112; O60438; O60915; Q0QD48; Q4LE31         |
| NCBI Official Full Name          | retinal-specific ATP-binding cassette transporter      |
| NCBI Official Synonym Full Names | ATP-binding cassette, sub-family A (ABC1), member 4    |
| NCBI Official Symbol             | ABCA4                                                  |
| NCBI Official Synonym Symbols    | FFM; RMP; ABCR; RP19; STGD; ABC10; ARMD2; CORD3; STGD1 |
| NCBI Protein Information         | retinal-specific ATP-binding cassette transporter      |
| UniProt Protein Name             | Retinal-specific ATP-binding cassette transporter      |
| UniProt Gene Name                | ABCA4                                                  |
| UniProt Synonym Gene Names       | ABCR; RIM protein; RmP                                 |
| UniProt Entry Name               | ABCA4_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/abca4-antibody-immunohistochemistry-elisa/303625>