

## ABCA4 Rabbit Polyclonal Antibody

Catalog No: #53184

Package Size: #53184-1 50ul #53184-2 100ul

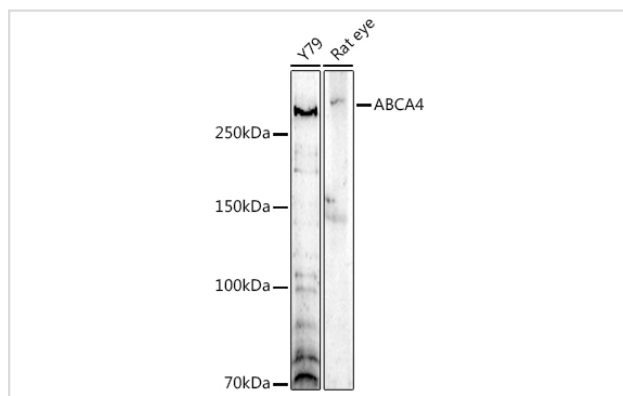
## Description

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Product Name          | ABCA4 Rabbit Polyclonal Antibody                         |
| Host Species          | Rabbit                                                   |
| Clonality             | Polyclonal                                               |
| Isotype               | IgG                                                      |
| Purification          | Affinity purification                                    |
| Applications          | WB                                                       |
| Species Reactivity    | Human,Mouse,Rat                                          |
| Immunogen Description | Recombinant fusion protein of human ABCA4 (NP_000341.2). |
| Conjugates            | Unconjugated                                             |
| Other Names           | ABCA4;ABC10;ABCR;ARMD2;CORD3;FFM;RMP;RP19;STGD;STGD1     |
| Accession No.         | Uniprot:P78363GenelD:24                                  |
| Calculated MW         | 255kDa                                                   |
| SDS-PAGE MW           | 256KDa                                                   |
| Formulation           | PBS with 0.02% sodium azide,50% glycerol,pH7.3.          |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.              |

## Application Details

WB 1:1000 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using ABCA4 antibody.

## Background

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 diagnosed 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.