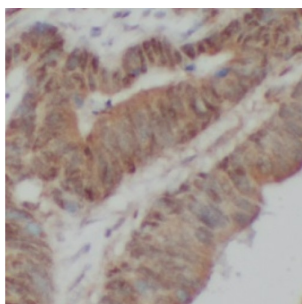


## Retinal-Specific ATP-Binding Cassette Transporter (ABCA4) Antibody

Catalogue No.: abx239980



IHC-P analysis of human colon cancer tissue, using ABCA4 antibody (1/100 dilution).

Retinal-Specific ATP-Binding Cassette Transporter (ABCA4) Antibody is a Rabbit Polyclonal antibody for the detection of ABCA4.

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.

**Target:** Retinal-Specific ATP-Binding Cassette Transporter (ABCA4)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, IHC

**Host:** Rabbit

**Recommended dilutions:** IHC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** ABCA4

**Isotype:** IgG

**Form:** Liquid

# Datasheet

Version: 3.0.0  
Revision date: 26 Mar 2025



<b>Purity:</b>	≥ 95% (SDS-PAGE)
<b>Purification:</b>	Purified by immunogen affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>Validity:</b>	12 months.
<b>UniProt Primary AC:</b>	P78363 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	ABCA4
<b>GeneID:</b>	<a href="#">24</a>
<b>OMIM:</b>	<a href="#">153800</a>
<b>HGNC:</b>	34
<b>KEGG:</b>	hsa:24
<b>Ensembl:</b>	ENSG00000198691
<b>String:</b>	<a href="#">9606.ENSP00000359245</a>
<b>Molecular Weight:</b>	Observed MW: 256 kDa
<b>Buffer:</b>	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
<b>Concentration:</b>	2 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.