

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

Anti-ABCA4 antibody

CATALOG # AAA45473	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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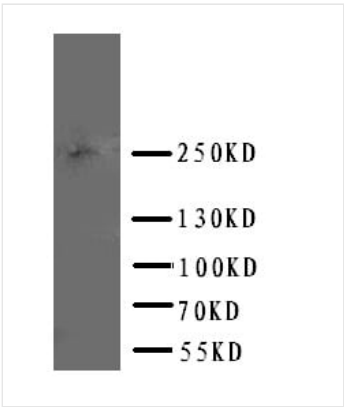
PRODUCT SYNONYMS

ABCA4; Polyclonal Antibody; Anti-ABCA4 antibody; Retinal-specific ATP-binding cassette transporter; ATP-binding cassette; sub-family A(ABC1); member 4; ABC 10 antibody; ABC A4 antibody; ABC10 antibody; ABCA 4 antibody; abcA4 antibody; ABCA4_HUMAN antibody; ABCR antibody; ARMD 2 antibody; ARMD2 antibody; ATP binding cassette 10 antibody; ATP binding cassette sub family A member 4 antibody; ATP binding cassette sub family A member4 antibody; ATP binding cassette transporter antibody; ATP binding cassette transporter retinal specific antibody; ATP binding cassette; sub family A(ABC1); member 4 antibody; member4 antibody; ATP binding cassette10 antibody; ATP binding transporter; retina specific antibody; ATP-binding cassette sub-family A member 4 antibody; CORD 3 antibody; CORD3 antibody; DKFZp781N1972 antibody; FFM antibody; FLJ17534 antibody; Photoreceptor rim protein antibody; Retina specific ABC transporter antibody; Retinal specific ATP binding cassette transporter antibody; Retinal-specific ATP-binding cassette transporter antibody; RIM ABC transporter antibody; RIM protein antibody; RmP antibody; RP 19 antibody; RP19 antibody; Stargardt disease protein antibody; STGD antibody; STGD1 antibody; anti-ABCA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	2273
Applicable Applications for anti-ABCA4 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ABCA4 (1893-1906aa TLLVQRHFFLSQWI).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-ABCA4 antibody, AAA45473, Western blottingWB: U87 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ABCA4 antibody	Description: Rabbit IgG polyclonal antibody for Retinal-specific ATP-binding cassette transporter(ABCA4) detection. Tested with WB in Human. Background: ABCA4(ATP-Binding Cassette, Subfamily A, Member 4), also known as ABCR, is a protein which in humans is encoded by the ABCA4 gene. ABCA4 is a member of the ATP-binding cassette transporter gene sub-family A(ABC1) found exclusively in multicellular eukaryotes. Using a whole genome radiation hybrid panel, Allikmets et al.(1997) mapped the ABCR gene to 1p21-p13. Allikmets et al.(1997) localized ABCR transcripts exclusively within photoreceptor cells, indicating that ABCR mediates the transport of an essential molecule(or ion) either into or out of photoreceptor cells. Molday et al.(2000) showed by immunofluorescence microscopy and Western blot analysis that ABCR is present in foveal and peripheral cone, as well as rod, photoreceptors. The results suggested that the loss in central vision experienced by patients with Stargardt macular dystrophy arises directly from ABCR-mediated foveal cone degeneration.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6707663
NCBI GeneID	24
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; RIM protein; RIM ABC transporter; photoreceptor rim protein; stargardt disease protein; retina-specific ABC transporter; ATP binding cassette transporter; ATP-binding transporter, retina-specific; ATP-binding cassette sub-family A member 4; ATP-binding cassette transporter, retinal-specific
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.

