

Datasheet for ABIN4889493 **anti-ABCA4 antibody (C-Term)**



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Overview

Quantity:	100 µg
Target:	ABCA4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide derived from C terminal domain of human ABCA4 protein.
Specificity:	Reacts with primate ABCA4 protein: human, mouse, rat, dog, monkeys
Cross-Reactivity (Details):	..
Purification:	Purified (protein A)

Target Details

Target:	ABCA4
Alternative Name:	Retinal-Specific ATP-Binding Cassette Transporter (ABCA4 Products)
Background:	Defects in ABCA4 are the cause of Stargardt disease type 1 (STGD1) . In the visual cycle, acts as an inward-directed retinoid flipase, retinoid substrates imported by ABCA4 from the

Target Details

extracellular or intradiscal (rod) membrane surfaces to the cytoplasmic membrane surface are all-trans-retinaldehyde (ATR) and N-retinyl-phosphatidyl-ethanolamine (NR-PE). Once transported to the cytoplasmic surface, ATR is reduced to vitamin A by trans-retinol dehydrogenase (tRDH) and then transferred to the retinal pigment epithelium (RPE) where it is converted to 11-cis-retinal. May play a role in photoresponse, removing ATR/NR-PE from the extracellular photoreceptor surfaces during bleach recovery.

UniProt: [P78363](#)

Application Details

Application Notes: Working dilution: Optimal dilutions should be determined by the end user.
The following are guidelines only :
- WB : 1 to 5 µg/mL - IHC : 1/100 to 1/1000

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Must be reconstituted in distilled water.
Concentration:	1 mg/mL
Buffer:	Tris 0,1M, glycine 0,1M, sucrose 2 %
Storage:	4 °C/-20 °C
Storage Comment:	Lyophilized powder stable for a minimum of 2 years at -20°C. Store reconstituted antibodies at +4°C. For extended periods store in aliquots at -20°C. Antibodies are guaranteed for 6 month from date of receipt.
Expiry Date:	24 months