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anti-ABCA4 antibody (C-Term)



Overview



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Quantity:	100 μL
Target:	ABCA4
Binding Specificity:	C-Term
B	

Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal

Application:	Western Blotting (WB) FLISA Immunohistochemistry (IHC)

This ABCA4 antibody is un-conjugated

Product Details

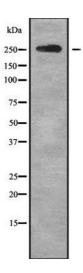
Conjugate:

Immunogen:	A synthesized peptide derived from human ABCA4, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	ABCA4 Antibody detects endogenous levels of total ABCA4.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target Details

Alternative Name:	ABCA4 (ABCA4 Products)
Background:	Description: In the visual cycle, acts as an inward-directed retinoid flipase, retinoid substrates imported by ABCA4 from the 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. Gene: ABCA4
Molecular Weight:	256 kDa
Gene ID:	24
UniProt:	P78363
Application Details	
Application Notes:	WB 1:1000-3000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of ABCA4 using HT29 whole cell lysates