

## Goat anti-ABCA4 Antibody

<b>Item Number</b>	dAP-1452
<b>Target Molecule</b>	Principle Name: ABCA4; Official Symbol: ABCA4; All Names and Symbols: ABCA4; ATP-binding cassette, sub-family A (ABC1), member 4; ABC10; ABCR; ARMD2; CORD3; DKFZp781N1972; FFM; RMP; RP19; STGD; STGD1; ATP binding cassette transporter; ATP-binding cassette, sub-family A member 4; ATP-binding transporter, retina-specific; ret; Accession Number (s): NP_000341.2; Human Gene ID(s): 24; Non-Human GeneID(s):
<b>Immunogen</b>	KQQTESHDLPLHPR, is from C Terminus
<b>Applications</b>	Pep ELISA  Species Tested:
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 8000.
<b>Western Blot</b>	Western Blot: Preliminary experiments in Human Liver lysates and in Mouse Eye and Rat Retina lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any
<b>IHC</b>	
<b>Reference</b>	Reference(s): Singh HP, Jalali S, Hejtmancik JF, Kannabiran C Homozygous null mutations in the ABCA4 gene in two families with autosomal recessive retinal dystrophy Am J Ophthalmol. 2006 May;141(5):906-13.PMID: 16546111->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**