

Goat anti-ABCA4 Antibody

Item Number	dAP-1452
Target Molecule	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 GenID(s):
Immunogen	KQQTESHDLPLHPR, is from C Terminus
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	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
IHC	
Reference	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. <i>Am J Ophthalmol</i> . 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 end users! This product is sold for **Research Use Only**