



ABCA2 Antibody

Cat. No.: 46-787



Ψ Specifications

HOST SPECIES:	Goat
SPECIES REACTIVITY:	Human
HOMOLOGY:	Expected Species Reactivity based on sequence homology: Mouse, Rat
IMMUNOGEN:	The immunogen for this antibody is: C-KKQSDNLEQQETEP
TESTED APPLICATIONS:	ELISA, IHC
APPLICATIONS:	Peptide ELISA: antibody detection limit dilution 1:2000. Western Blot: Preliminary experiments gave an approx 35kDa band in Human Brain (Amygdala, Frontal Cortex, Hippocampus and Substantia Nigra) lysates after 0.3ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 270kDa according to NP_001597.2 and of 273kDa according to .NP_997698.1. The 35kDa band was successfully blocked by incubation with the immunizing peptide. Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75ug/ml.
SPECIFICITY:	This antibody is expected to recognize both reported isoforms (NP_001597.2; NP_997698.1).

Ψ Properties

PURIFICATION:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
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CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	Supplied at 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.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20 °C. Minimize freezing and thawing.

Additional Info

OFFICIAL SYMBOL:	ABCA2
ALTERNATE NAMES:	ABCA2, ATP-binding cassette, sub-family A (ABC1), member 2, ABC2, MGC129761, ATP-binding cassette, sub-family A, member 2, OTTHUMP00000064733
ACCESSION NO.:	NP_001597.2, NP_997698.1
PROTEIN GI NO.:	45446740
GENE ID:	20

Background and References

REFERENCES:	1) Mace S, Cousin E, Ricard S, Genin E, Spanakis E, Lafargue-Soubigou C, Genin B, Fournel R, Roche S, Haussy G, Massey F, Soubigou S, Brefort G, Benoit P, Brice A, Campion D, Hollis M, Pradier L, Benavides J, Deleuze JF ABCA2 is a strong genetic risk factor for early-onset Alzheimer's disease Neurobiol Dis. 2005 Feb;18(1):119-25
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