

Goat anti-ABCA2 Antibody

Item Number dAP-1453

Target Molecule Principle Name: ABCA2; Official Symbol: ABCA2; All Names and Symbols: ABCA2; ATP-binding cassette, sub-family A (ABC1), member 2; ABC2; MGC129761; ATP-binding cassette, sub-family A, member 2; OT-THUMP0000064733; Accession Number (s): NP_001597.2; NP_997698.1; Human Gene ID(s): 20; Non-Human GenID(s): 11305 (mouse) 79248 (rat)

Immunogen KKQSDNLEQQETEP, is from internal region
This antibody is expected to recognize both reported isoforms (NP_001597.2; NP_997698.1).

Applications Pep ELISA, IHC

Species Tested: Human

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 2000.

Western Blot Western Blot: Preliminary experiments gave an approx 35kDa band in Human Brain (Amygdala, Frontal Cortex, Hippocampus and Substantia Nigra) lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature

IHC Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.

Reference Reference(s): Macé S, Cousin E, Ricard S, Génin E, Spanakis E, Lafargue-Soubigou C, Génin B, Fournel R, Roche S, Haussy G, Massey F, Soubigou S, Bréfort 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 Neu-

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**