

Goat anti-MRP5 Antibody

Item Number	dAP-1468
Target Molecule	Principle Name: MRP5; Official Symbol: ABCC5; All Names and Symbols: MRP5; DKFZp686C1782; ABCC5; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; ABC33; EST277145; MOAT-C; MOATC; SMRP; pABC11; ATP-binding cassette, sub-family C, member 5; canalicular multispecific organic anion transporter C; Accession Number (s): NP_005679.2; NP_001018881.1; Human Gene ID(s): 10057; Non-Human GeneID(s): 27416 (mouse) 116721 (rat)
Immunogen	KDIDIGKEYIIP, is from N Terminus This antibody is expected to recognize both reported isoforms (NP_005679.2; NP_001018881.1).
Applications	Pep ELISA, WB, 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 32000.
Western Blot	Western Blot: Approx. 150kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 161kDa according to NP_005679.2). Recommended concentration: 0.5-1.5µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows membranous staining in DCT. Paraffin embedded Human Liver. Recommended concentration: 4-6µg/ml.
Reference	Reference(s): Meyer Zu Schwabedissen HE, Grube M, Heydrich B, Linnemann K, Fusch C, Kroemer HK, Jedlitschky G. Expression, localization, and function of MRP5 (ABCC5), a transporter for cyclic nucleotides, in human placenta and cultured human trophoblasts: effects of gestational age and cellular differentiation

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**