



Goat anti-MPV17 Antibody

Item Number	dAP-2241
Target Molecule	Principle Name: MPV17; Official Symbol: MPV17; All Names and Symbols: MPV17; Mpv17 mitochondrial inner membrane protein; SYM1; Mpv17 protein; Mpv17, human homolog of glomerulosclerosis and nephrotic syndrome; OTTHUMP00000122591; Accession Number (s): NP_002428.1; Human Gene ID(s): 4358; Non-Human GeneID(s): 17527 (mouse) 360463 (rat)
Immunogen	QRALAAHPWKVQ, is from internal region
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 19kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 19.7kDa according to NP_002428.1). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consistently observed at 26kDa. Thi
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows heavy textured cytoplasm staining in hepatocytes, consistent with mitochondria.. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): El-Hattab AW, Li FY, Schmitt E, Zhang S, Craigen WJ, Wong LJ, MPV17-associated hepatocerebral mitochondrial DNA depletion syndrome: new patients and novel mutations. Molecular genetics and metabolism 2010 Mar 99 (3): 300-8..PMID: 20074988->

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**