Goat anti-Monoglyceride Lipase Antibody

Item Number	dAP-1516
Target Molecule	Principle Name: Monoglyceride Lipase; Official Symbol: MGLL; All Names and Symbols: monoglyceride lipase; HU-K5; MGLL; MGL; lysophospholipase-like; Accession Number (s): NP_009214.1; NP_001003794.1; Human Gene ID(s): 11343; Non-Human GeneID(s): 23945 (mouse) 29254 (rat)
Immunogen	QDLPHLVNADGQY, is from internal region (near N Terminus) This antibody is expected to recognize both reported isoforms (NP_009214.1; NP_001003794.1).
Applications	Pep ELISA, WB, IHC
	Species Tested: Human, Mouse
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; Reconsititute 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 128000.
Western Blot	Western Blot: Approx 35kDa band observed in Human Brain (Frontal Cortex) and Mouse Adipose lysates (calculated MW of 33.3kDa according to NP_001003794.1). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: In paraffin embedded Human Liver, expression of MGLL is detected in hepato-cytes. Recommended concentration: 5µg/ml.
Reference	Reference(s): Blankman JL, Simon GM, Cravatt BF. A comprehensive profile of brain enzymes that hydro-lyze the endocannabinoid 2-arachidonoylglycerol. Chem Biol. 2007 Dec;14(12):1347-56.PMID: 18096503->

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