Goat anti-Semaphorin 5A Antibody

Item Number	dAP-0886
Target Molecule	Principle Name: Semaphorin 5A; Official Symbol: SEMA5A; All Names and Symbols: SEMA5A; sema do-main, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cyto-plasmic domain, (semaphorin) 5A; HGNC:10736; SEMAF; semF; sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane; Accession Number (s): NP_003957.1; Human Gene ID (s): 9037; Non-Human GeneID(s): 20356 (mouse) 310207 (rat)
Immunogen	DEATKKACYSKGKS, is from internal region The immunizing peptide corresponds to a part of the extracellular domain.
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; 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: Preliminary experiments gave an approx 90kDa in Mouse Brain lysates and approx 25kDa band in Human Brain (Cerebellum), Colon, Heart and Kidney lysates after 0.03µg/ml antibody staining. Please note that currently we cannot find an explanati
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows membanous and vesicular staining in PCT cells. Recommended concentration: 4-6µg/ml.
Reference	Reference(s): Maraganore DM, de Andrade M, Lesnick TG, Strain KJ, Farrer MJ, Rocca WA, Pant PV, Frazer KA, Cox DR, Ballinger DG. High-resolution whole-genome association study of Parkinson disease Am J Hum Genet. 2005 Nov;77(5):685-93. Epub 2005 Sep 9..PMID: 16252231->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final condi-tions should be optimized by the ender users! This product is sold for Research Use Only