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EB07352 - Goat Anti-Semaphorin 5A Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SEMA5A, sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A, HGNC:10736, SEMAF, semF, sema domain, seven thrombospondin repeats (type 1

and type 1-like), transmembrane **Official Symbol:** SEMA5A

Accession Number(s): NP_003957.1

Human GeneID(s): 9037

Non-Human GenelD(s): 20356 (mouse), 310207 (rat)

Important Comments: The immunizing peptide corresponds to a part of the extracellular

domain.

Immunogen

Peptide with sequence DEATKKACYSKGKS, from the internal region of the protein sequence according to NP_003957.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

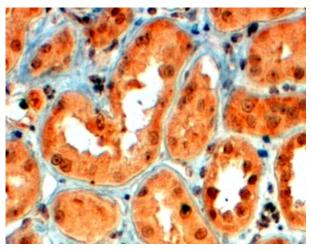
Western blot: Preliminary experiments gave an approx 90kDa in Mouse Brain lysates and approx 25kDa band in Human Brain (Cerebellum), Colon, Heart and Kidney lysates after 0.03µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 121kDa according to NP_003957.1. The 90kDa and 25kDa band were successfully blocked by incubation with the immunizing peptide.

IHC: In paraffin embedded Human Kidney shows membanous and vesicular staining in PCT cells. Recommended concentration: 4-6µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB07352 (4µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.