

Goat anti-SEMA3E Antibody

Item Number	dAP-0593
Target Molecule	Principle Name: SEMA3E; Official Symbol: SEMA3E; All Names and Symbols: SEMA3E; SEMAH; coll-5; M-SEMAH; M-SemaK; KIAA0331; M-sema H; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, 3E; Accession Number (s): NP_036563.1; Human Gene ID(s): 9723; Non-Human GenelD(s):
Immunogen	KPEHYRLPRHTLDS, is from C Terminus
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; 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 64000.
Western Blot	Western Blot: Preliminary experiments gave bands at approx 35kDa and 20kDa in Human Prostate lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculate
IHC	Immunohistochemistry: In paraffin embedded Human Adrenal Medulla shows granular cytoplasmic staining increasing towards the zona reticularis. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Gu C, Yoshida Y, Livet J, Reimert DV, Mann F, Merte J, Henderson CE, Jessell TM, Kolodkin AL, Ginty DD. Semaphorin 3E and plexin-D1 control vascular pattern independently of neuropilins. <i>Science</i> . 2005 Jan 14;307(5707):265-8. <i>Epub 2004 Nov 18. PMID: 15550623 -></i>

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**