

## Goat anti-Semaphorin 3E (internal) Antibody

<b>Item Number</b>	dAP-0982
<b>Target Molecule</b>	Principle Name: Semaphorin 3E (internal); Official Symbol: SEMA3E; All Names and Symbols: SEMA3E; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E; KIAA0331; M-SEMAH; M-SemaK; M-sema H; SEMAH; coll-5 ; sema domain, immunoglobulin domain (Ig), short basic domain, secreted, 3E; semaphorin 3E; Accession Number (s): NP_036563.1; NP_001171600.1; Human Gene ID(s): 9723; Non-Human GeneID(s): 20349 (mouse)
<b>Immunogen</b>	NGGRYGTTKDYPDD, is from internal region This antibody is expected to recognise both reported isoforms (NP_036563.1; NP_001171600.1).
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 35kDa band in Human Prostate lysates after 0.03µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 8
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Prostate shows membranous staining of secretory cells in the gland. Recommended concentration, 4-6µg/ml.
<b>Reference</b>	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. Science. 2005 Jan 14;307(5707):265-8. Epub 2004 Nov 18. .PMID: 15550623 ->

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**