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Datasheet for ABIN185680  
**anti-SEMA5A antibody (Internal Region)**

### Overview

Quantity:	100 µg
Target:	SEMA5A
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SEMA5A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

### Product Details

Purpose:	Semaphorin 5A
Immunogen:	Peptide with sequence DEATKKACYSKGKS, from the internal region of the protein sequence according to NP_003957.1.
Sequence:	DEATKKACYS KGKS
Isotype:	IgG
Specificity:	The immunizing peptide corresponds to a part of the extracellular domain.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

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Target:	SEMA5A
Alternative Name:	SEMA5A ( <a href="#">SEMA5A Products</a> )
Background:	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
Gene ID:	9037, 20356, 310207
NCBI Accession:	<a href="#">NP_003957</a>

## Application Details

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Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Kidney shows membranous and vesicular staining in PCT cells. Recommended concentration: 4-6 µg/mL.</p> <p>Western Blot: Preliminary experiments gave an approx 90 kDa in Mouse Brain lysates and approx 25 kDa band in Human Brain (Cerebellum), Colon, Heart and Kidney lysates after 0.03 µg/mL antibody staining. Please note that currently we cannot find an explanation.</p> <p>Peptide ELISA: antibody detection limit dilution 1:128000.</p>
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.