



## Rabbit Anti-Plexin A3 antibody

SL11934R

<b>Product Name:</b>	Plexin A3
<b>Chinese Name:</b>	神经丛蛋白A3抗体
<b>Alias:</b>	HSSEXGENE; Plexin 4; PLXN4; PLXNA3; Semaphorin receptor SEX; SEX; Transmembrane protein sex; XAP 6; PLXA3_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	206kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Plexin A3:101-200/1871<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Plexins are a family of large, transmembrane receptors for multiple classes of semaphorins in vertebrates. Plexins are widely expressed, and regions of their extracellular domain are homologous to both scatter factor receptors and semaphorin domains. Plexins may act as semaphorin receptors alone or in combination with neuropilins. Plexins are divided into four subfamilies designated plexin-A, -B, -C, and -

D. *Drosophila* plexin-A is a receptor for class I semaphorins and controls motor and axon guidance. Plexin-A3 mediates cell-repelling cues. Plexins B and C are receptors for Sema 4 and Sema 7, respectively.

**Function:**

Plexin A3 is a coreceptor for the class 3 secreted semaphorins. This family of semaphorins binds to a complex composed of a neuropilin and a plexin. The plexin type modulates the affinity of the complex for specific semaphorins and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm. Plexin A3 is a putative receptor involved in the development of neural and epithelial tissues.

**Subunit:**

Interacts with CBFA2T3/MTG16.

**Subcellular Location:**

Membrane; single-pass type I membrane protein.

**Similarity:**

Belongs to the plexin family.  
Contains 4 IPT/TIG domains.  
Contains 1 Sema domain.

**SWISS:**

P51805

**Gene ID:**

55558

**Database links:**

[Entrez Gene: 55558](#)Human

[Entrez Gene: 18846](#)Mouse

[Omim: 300022](#)Human

[SwissProt: P51805](#)Human

[SwissProt: P70208](#)Mouse

[Unigene: Hs.632839](#)Human

[Unigene: Mm.1685](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

