

## 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>Research Area</b>	Tumour Cell biology Neurobiology The cell membrane 蛋白
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	(predicted: Human, Mouse, Rat, Dog, Horse, Rabbit, ) IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 (Paraffin sections need antigen repair)
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	206kDa
<b>Cellular localization</b>	The cell membrane
<b>Form</b>	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>Buffer Solution</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>PubMed</b>	<a href="#">PubMed</a>

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.

**Product  
Detail**

**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



SunLong Biotech Co.,LTD  
Tel: 0086-571-56623320 Fax:0086-571-56623318  
E-mail:sales@sunlongbiotech.com  
www.sunlongbiotech.com

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[Unigene: Mm.1685](#) Mouse