



Rabbit Anti-TAG1 antibody

SL5845R

Product Name:	TAG1
Chinese Name:	瞬时表达轴索glycoprotein1抗体
Alias:	Axonal glycoprotein TAG 1; Axonal glycoprotein TAG-1; Axonal glycoprotein TAG1; Axonin 1; Axonin-1; Axonin1; AXT; CNTN 2; Cntn2; CNTN2_HUMAN; contactin 2 (axonal); Contactin 2; Contactin-2; Contactin2; DKFZp781D102; MGC157722; TAG 1; TAG 564; TAG564; TAX 1; TAX; TAX-1; TAX1; Transient axonal glycoprotein 1; Transiently expressed axonal glycoprotein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	107kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TAG1:161-260/1040
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Contactin 2 is a neuronal cell adhesion molecule (CAM) that influences the formation of axon connections in the developing nervous system. Contactin 2 is a member of the immunoglobulin superfamily (IgSF) and contains a glycosylphosphatidylinositol-anchor, six immunoglobulin (Ig)-like and four Fibronectin type III (FNIII)-like domains.

Contactin 2 is expressed predominantly during neural development on the cell membrane of axons in nerve fiber tracts in order to guide commissural axons without promoting their growth. Contactin 2 binds with NgCAM in the plane of the same membrane (cis-binding). The Contactin 2 heterophilic (Contactin 2/NgCAM and Contactin 2/NrCAM) binding sites are localized to the first four Ig domains. The Contactin 2 homophilic (Contactin 2/Contactin 2) binding site is localized to the FNIII domain.

Function:

May play a role in the initial growth and guidance of axons. May be involved in cell adhesion.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor. Note=Attached to the neuronal membrane by a GPI-anchor and is also released from neurons.

Similarity:

Belongs to the immunoglobulin superfamily. Contactin family.

Contains 4 fibronectin type-III domains.

Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

Q02246

Gene ID:

6900

Database links:

[Entrez Gene: 6900](#)Human

[Entrez Gene: 21367](#)Mouse

[Entrez Gene: 25356](#)Rat

[Omim: 190197](#)Human

[SwissProt: Q02246](#)Human

[SwissProt: Q61330](#)Mouse

[SwissProt: P22063](#)Rat

[Unigene: 519220](#)Human

[Unigene: 260861](#)Mouse

[Unigene: 89910](#)Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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