



Rabbit Anti-ASTN2 antibody

SL11072R

Product Name:	ASTN2
Chinese Name:	星形肌动蛋白抗体
Alias:	Astn2; Astn-2; Astn 2; ASTN2_HUMAN; Astrotactin 2; Astrotactin2; Astrotactin-2; bA67K19.1; KIAA0634.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	143kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ASTN2:21-120/1339<Extracellular>
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:	Neuronal migration of the central nervous system is a specialized form of cell motility that takes place in the laminar structure of the cortical regions of brain. Astrotactin is a neuronal cell surface protein expressed on postmitotic neuronal precursors in the cerebellum, hippocampus, cerebrum, and olfactory bulb. Astrotactin 2 is a paralog of Astrotactin. Astrotactin mediates neuron-astroglial interactions and is also implicated in

synaptic development as well as many other neuronal activities. Astrotactin has three epidermal growth factor repeat domains and two fibronectin type III repeat domains. The human Astrotactin gene shows extensive homology to the mouse Astrotactin gene. Mutations in the Astrotactin gene are linked to neuronal migration defects in both species.

Subcellular Location:

Membrane.

Similarity:

Belongs to the astrotactin family.
Contains 3 EGF-like domains.
Contains 1 fibronectin type-III domain.

SWISS:

O75129

Gene ID:

23245

Database links:

[Entrez Gene: 23245](#)Human

[Entrez Gene: 56079](#)Mouse

[Entrez Gene: 100361323](#)Rat

[Omim: 612856](#)Human

[SwissProt: O75129](#)Human

[SwissProt: Q80Z10](#)Mouse

[Unigene: 601562](#)Human

[Unigene: 445312](#)Mouse

[Unigene: 162821](#)Rat

Important Note:

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