

Neuron navigator 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54514

Specification

Neuron navigator 1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8NEY1
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	202 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Neuron navigator 1
Epitope Specificity	1426-1475/1877
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton. Note=Associates with a subset of microtubule plus ends. Enriched in neuronal growth cones. Belongs to the Nav/unc-53 family. Interacts with tubulin
SIMILARITY	Belongs to the Nav/unc-53 family.
SUBUNIT	Interacts with tubulin
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Neuron navigator 1 is a 1877 amino acid cytoplasmic protein that is involved in neuronal migration. Neuron navigator 1 is widely expressed at low levels, though highest expression is found in both adult and fetal nervous tissue. Through interaction with tubulin, Neuron navigator 1 associates with a subset of microtubule plus ends present in the growth cone. Overexpression of Neuron navigator 1 leads to microtubule bundling, whereas a reduction of its levels causes loss of directionality in the migration of pontine cell leading processes. There are seven isoforms of Neuron navigator 1 that are produced as a result of alternative splicing events.

Neuron navigator 1 Polyclonal Antibody - Additional Information

Gene ID 89796

Other Names

Neuron navigator 1, Pore membrane and/or filament-interacting-like protein 3, Steerin-1, Unc-53 homolog 1, unc53H1, NAV1, KIAA1151, KIAA1213, POMFIL3, STEERIN1

Target/Specificity

Broadly expressed at low levels. Expressed at high levels in heart, skeletal muscle and placenta.

Dilution

WB~~1:1000
IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Neuron navigator 1 Polyclonal Antibody - Protein Information

Name NAV1

Synonyms KIAA1151, KIAA1213, POMFIL3, STEERIN1

Function

May be involved in neuronal migration.

Cellular Location

Cytoplasm, cytoskeleton. Note=Associates with a subset of microtubule plus ends. Enriched in neuronal growth cones (By similarity).

Tissue Location

Broadly expressed at low levels (PubMed:12062803, PubMed:12079279, PubMed:15158073). Expressed at high levels in heart, skeletal muscle, placenta and possibly in pancreas and liver (PubMed:12062803, PubMed:12079279, PubMed:15158073)

Neuron navigator 1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Neuron navigator 1 Polyclonal Antibody - Images