

Neuron navigator 1 Rabbit pAb

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Catalog # AP54514

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8NEY1
Predicted	Rat, Pig, Dog, Human, Mouse, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	202472
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.
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.

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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)

Background

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