



Neuron Navigator 1 Polyclonal Antibody

Catalog No	YP-Ab-12762
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	NAV1
Immunogen	Synthesized peptide derived from Neuron Navigator 1 . at AA range: 510-590
Specificity	Neuron Navigator 1 Polyclonal Antibody detects endogenous levels of Neuron Navigator 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NAV1;POMFIL3;Pore membrane and/or filament-interacting-like protein 3; steerin 1;STEERIN1;Neuron Navigator 1;KIAA1151;KIAA1213;Steerin-1;Unc-53 homolog 1;unc53H1
Observed Band	200kD
Calculated Molecular Weight	200kD
Cell Pathway	Cytoplasm, cytoskeleton . Associates with a subset of microtubule plus ends. Enriched in neuronal growth cones (By similarity). .
Tissue Specificity	Broadly expressed at low levels. Expressed at high levels in heart, skeletal muscle and placenta.
Function	developmental stage:Expressed in fetal brain and heart.,function:May be involved in neuronal migration.,similarity:Belongs to the Nav/unc-53 family., subcellular location:Associates with a subset of microtubule plus ends. Enriched in neuronal growth cones.,subunit:Interacts with tubulin.,tissue specificity:Broadly expressed at low levels. Expressed at high levels in heart, skeletal muscle and placenta.,



Background

This gene belongs to the neuron navigator family and is expressed predominantly in the nervous system. The encoded protein contains coiled-coil domains and a conserved AAA domain characteristic for ATPases associated with a variety of cellular activities. This gene is similar to unc-53, a *Caenorhabditis elegans* gene involved in axon guidance. The exact function of this gene is not known, but it is thought to play a role in neuronal development and regeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2009],

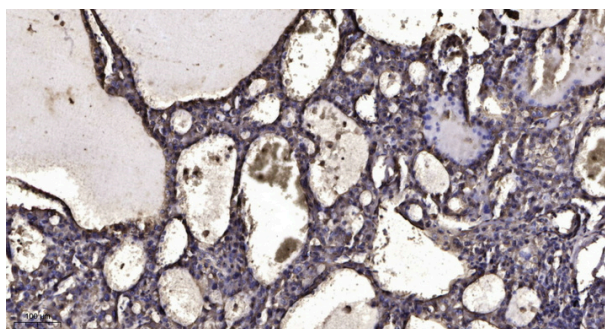
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).