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Datasheet for ABIN1409334

anti-NAV1 antibody (AA 1426-1475) (Cy7)

Overview

Quantity:	100 µL
Target:	NAV1
Binding Specificity:	AA 1426-1475
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAV1 antibody is conjugated to Cy7
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Neuron navigator 1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	NAV1
Alternative Name:	Neuron navigator 1 (NAV1 Products)
Background:	Synonyms: Nav 1, Nav1, POMFIL 3, POMFIL3, Pore membrane and/or filament interacting like

Target Details

protein 3, Protein Steerin 1, Protein Steerin1, Steerin 1, Steerin1, unc-53 homolog 1, DKFZp781D0314, FLJ12560, FLJ14203, mNav1, NAV1_HUMAN.

Background: 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.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months