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Datasheet for ABIN1393944

**anti-NAV2 antibody (AA 21-120) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	NAV2
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAV2 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NAV2/RAINB1
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	NAV2
Alternative Name:	NAV2/RAINB1 ( <a href="#">NAV2 Products</a> )
Background:	Synonyms: HELAD1, Helicase, APC down regulated 1, KIAA1419, mCG 145366, mKIAA3015,

## Target Details

NAV 2, Neuron navigator 2, POMFIL2, Pore membrane and/or filament interacting like protein 2, RAINB1, RAINB2, Retinoic acid inducible in neuroblastoma 1, Steerin 2, STEERIN2, Unc 53 homolog 2, Unc53H2, NAV2\_HUMAN.

Background: Neuron navigator 2 (NAV2), also known as RAINB1 (retinoic acid inducible in neuroblastoma 1), POMFIL2 (pore membrane and/or filament-interacting-like protein 2), HELAD1 (helicase APC down-regulated 1), unc53H2 or steerin-2, is a 2,488 amino acid nuclear protein that plays a role in the development of sensory organs. Existing as thirteen alternatively spliced isoforms, Neuron navigator 2 displays 3' to 5' helicase activity and exonuclease activity and participates in the catalysis of ATP to ADP. Neuron navigator 2 is highly expressed in the nervous system of developing embryos and colon carcinomas, as well as in liver, brain and kidney. Lower levels of expression are found in lung, thyroid, spinal cord, heart, placenta and mammary gland. Neuron navigator 2 belongs to the Nav/unc-53 family and contains one CH (calponin-homology) domain.

Gene ID: 89797

UniProt: [Q8IVL1](#)

Pathways: [Sensory Perception of Sound](#)

## Application Details

Application Notes: FCM 1:20-100

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.

## Handling

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Expiry Date: 12 months