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Datasheet for ABIN1392764
anti-FIG4 antibody (AA 1-100) (FITC)

Overview

Quantity:	100 µL
Target:	FIG4
Binding Specificity:	AA 1-100
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FIG4 antibody is conjugated to FITC
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 FIG4
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Sheep, Pig, Chicken, Monkey
Purification:	Purified by Protein A.

Target Details

Target:	FIG4
Alternative Name:	FIG4/SAC3 (FIG4 Products)

Target Details

Background: Synonyms: 5-bisphosphate 5-phosphatase, Fig4, FIG4_HUMAN, KIAA0274, ALS11, Phosphatidylinositol 3, hSac3, Phosphatidylinositol 3,5 bisphosphate 5 phosphatase, Polyphosphoinositide phosphatase, SAC domain containing protein 3, SAC domain-containing protein 3, SAC3.

Background: FIG4 is a 907 amino acid protein that contains one SAC domain through which it is thought to function as a phosphoinositide phosphatase that may play an important role in signal transduction and vesicle trafficking. Defects in the gene encoding FIG4 are the cause of Charcot-Marie-Tooth disease type 4J (CMT4J) and amyotrophic lateral sclerosis type 11 (ALS11), both of which negatively affect the nervous system. CMT4J is a recessive demyelinating disorder of the peripheral nervous system and is characterized by reduced motor nerve conduction velocities and axonal degeneration. Unlike CMT4J, ALS11 is characterized by the degeneration of upper motor neurons in the brain and lower neurons in the spinal cord, causing paralysis and, ultimately, death.

Pathways: [Inositol Metabolic Process](#)

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