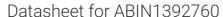
## antibodies - online.com







## anti-FIG4 antibody (AA 1-100) (Alexa Fluor 488)



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Quantity:	100 μL	
Target:	FIG4	
Binding Specificity:	AA 1-100	
Reactivity:	Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This FIG4 antibody is conjugated to Alexa Fluor 488	
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

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	