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anti-SLITRK4 antibody (AA 251-350) (Cy5)



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Quantity:	100 μL	
Target:	SLITRK4	
Binding Specificity:	AA 251-350	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SLITRK4 antibody is conjugated to Cy5	
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLITRK4	
Isotype:	IgG	
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit,Guinea Pig	
Purification:	Purified by Protein A.	

Target Details

Target:	SLITRK4	
Alternative Name:	SLITRK4 (SLITRK4 Products)	
Background:	Synonyms: DKFZp547M2010, SLIK4_HUMAN, SLIT and NTRK like family member 4, SLIT and	

NTRK like protein 4, SLIT and NTRK-like protein 4, Slit and trk like 4 protein, Slit and trk like gene 4, SLITRK 4, SLITRK4.

Background: SLITRK family proteins are integral membrane proteins that have a C-terminal domain that is partially similar to TRK neurotrophin receptor proteins and two leucine-rich repeat (LRR) domains that are similar to those of SLIT proteins. SLITRK4 (SLIT and NTRK-like protein 4) is a 837 amino acid single-pass type I membrane protein that contains 18 LRR (leucine-rich) repeats and is expressed in neural tissues, specifically in the thalamus, hypothalamus, subventricular zone, CA3 region of the hippocampus and cortical plate. SLITRK4 may be upregulated in some astrocytic brain tumors such as glioblastomas, astrocytomas and primitive neuroectodermal tumors. As compared with its family member SLITRK2, SLITRK4 only weakly suppresses neurite outgrowth. A study using genome-wide transcriptional profiling suggested that the gene encoding SLITRK4, as well as the ARL5B and PLA2G7 genes, may be involved in the pathogenesis of preeclampsia.

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	