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anti-SLITRK1 antibody (Extracellular, N-Term)

Images



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Quantity:	25 μL	
Target:	SLITRK1	
Binding Specificity:	AA 383-397, Extracellular, N-Term	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SLITRK1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RDNKIHSIRKSHFVD, corresponding to amino acid residues 383-397 of mouse Slitrk1	
Isotype:	IgG	
Characteristics:	Anti-Slitrk1 (extracellular) Antibody (ABIN7043629, ABIN7045304 and ABIN7045305)) is a highly selective antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. The antibody recognizes an extracellular epitope, and can potentially be used for detecting the protein in living cells. It has been designed to recognize Slitrk1 from mouse, human, and rat samples.	
Purification:	Affinity purified on immobilized antigen.	

Target Details

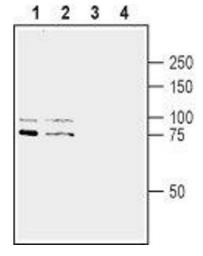
Target:	SLITRK1
Alternative Name:	Slitrk1 (SLITRK1 Products)
Background:	Alternative names: Slitrk1, SLIT and NTRK-like family member 1, Leucine-rich repeat-containing protein 12, LRRC12
Gene ID:	76965
NCBI Accession:	NM_052910
UniProt:	Q810C1

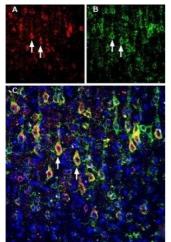
Application Details

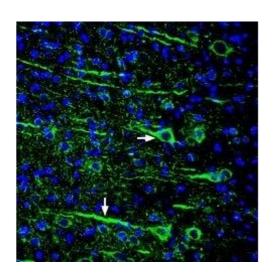
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or $0.2~\text{mL}$ double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).







Western Blotting

Image 1. Western blot analysis of rat brain lysate (lanes 1 and 3) and mouse brain synaptosomal fraction (lanes 2 and 4): - 1,2. Anti-Slitrk1 (extracellular) Antibody (ABIN7043629, ABIN7045304 and ABIN7045305), (1:200).3,4. Anti-Slitrk1 (extracellular) Antibody, preincubated with Slitrk1 (extracellular) Blocking Peptide (#BLP-SR081).

Immunohistochemistry

Image 2. Multiplex staining of Slitrk1 and KV2.1 in rat parietal cortex - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using rabbit Anti-Slitrk1 (extracellular) Antibody (ABIN7043629, ABIN7045304 and ABIN7045305), (1:200) and Guinea pig Anti-KV2.1 Antibody (ABIN7043508, ABIN7045430 and ABIN7045431), (1:200). A. Slitrk1 staining (red) appears in profiles of pyramidal neurons. B. KV2.1 staining (green) is detected in profiles of pyramidal neurons. C. Merge of the two images shows colocalization in several neurons (arrows). Cell nuclei are stained with DAPI (blue).

Immunohistochemistry

Image 3. Expression of Slitrk1 in rat cortex - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-Slitrk1 (extracellular) Antibody (ABIN7043629, ABIN7045304 and ABIN7045305), (1:300), followed by goat anti-rabbit-AlexaFluor-488. Slitrk1 staining (green) in the rat parieto-temporal cortex is detected in pyramidal neurons (horizontal arrow) and their dendrites (vertical arrow). Cell nuclei are stained with DAPI (blue).