

### Anti-Slitrk1 antibody ab67238

3 Images

#### Overview

<b>Product name</b>	Anti-Slitrk1 antibody
<b>Description</b>	Rabbit polyclonal to Slitrk1
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is predicted to have no cross-reactivity to other Slitrk proteins.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	A 16 amino acid peptide from near the carboxy terminus of human Slitrk1.
<b>Positive control</b>	Human brain tissue lysate
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab67238 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 88 kDa (predicted molecular weight: 78 kDa).
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use at an assay dependent concentration.

## Target

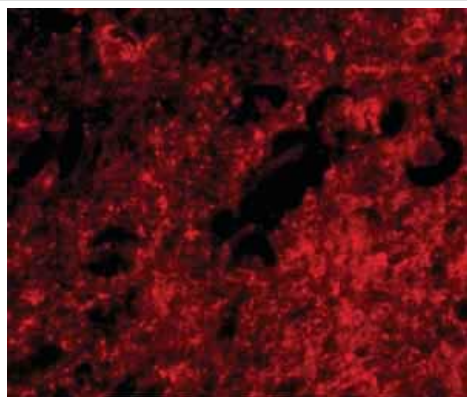
### Relevance

Slitrk1 is a member of a protein family consisting of six homologous transmembrane proteins (Slitrk1-6) that share two conserved leucine-rich repeat domains in the extracellular domain and have significant homology to Slit, a secreted axonal growth-controlling protein. These proteins are also homologous to trk neurotrophin receptors in their intracellular domains. Expression of Slitrk proteins is highly restricted to neural and brain tumor tissues, but varies within the family. For example, Slitrk1 is expressed primarily in mature neurons. Overexpression of Slitrk1 in transfected neuronal cells induced unipolar neurites, while expression of the other Slitrk proteins inhibited neurite outgrowth, suggesting that these proteins are involved in the control of neurite outgrowth. While Slitrk1 variants have been suggested associated with Tourette's Syndrome, it is thought to play only a minor role if at all.

### Cellular localization

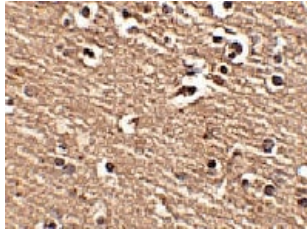
Membrane; Single-pass type I membrane protein

## Images



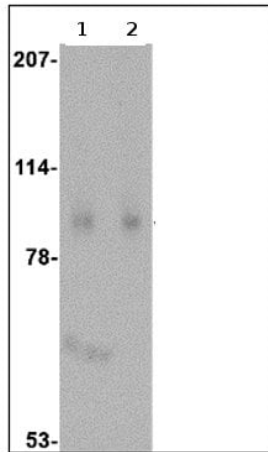
Immunofluorescence of Slitrk1 in Human brain tissue with ab67238 at 20 µg/mL.

Immunocytochemistry/ Immunofluorescence - Anti-Slitrk1 antibody (ab67238)



Immunohistochemistry of Slitrk1 in Human brain tissue with Slitrk1 antibody at 2.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Slitrk1 antibody (ab67238)



**Lane 1** : Anti-Slitrk1 antibody (ab67238) at 1 µg/ml

**Lane 2** : Anti-Slitrk1 antibody (ab67238) at 2 µg/ml

**All lanes** : human brain tissue lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size:** 78 kDa

**Observed band size:** 60,88 kDa

Western blot - Anti-Slitrk1 antibody (ab67238)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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