

Product datasheet

Anti-SLITRK5 antibody ab67309

1 References 2 Images

Overview

<b>Product name</b>	Anti-SLITRK5 antibody
<b>Description</b>	Rabbit polyclonal to SLITRK5
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab67309 is predicted to have no cross-reactivity to other SLITRK proteins.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	A 14 amino acid synthetic peptide from near the center of human SLITRK5.
<b>Positive control</b>	3T3 cell lysate.

Properties

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

Applications

Our [Abpromise guarantee](#) covers the use of **ab67309** 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 0.5 - 1 µg/ml. Detects a band of approximately 160 kDa (predicted molecular weight: 107 kDa).
ICC/IF		Use a concentration of 20 µg/ml.

## Target

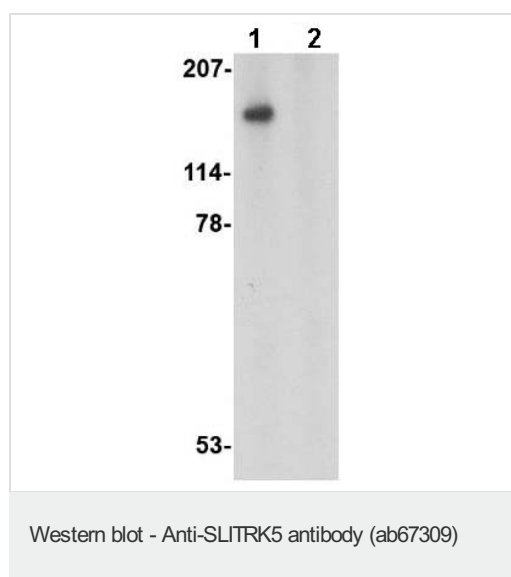
### Relevance

SLIT and NTRK-like family 5 (SLITRK5) is a member 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 protein family. Like every other SLITRK protein except SLITRK1, overexpression of SLITRK5 inhibited neurite outgrowth in cultured neurons, suggesting that these proteins are involved in the control of neurite outgrowth.

### Cellular localization

Membrane; Single-pass type I membrane protein.

## Images



**All lanes :** Anti-SLITRK5 antibody (ab67309)  
at 1 µg/ml

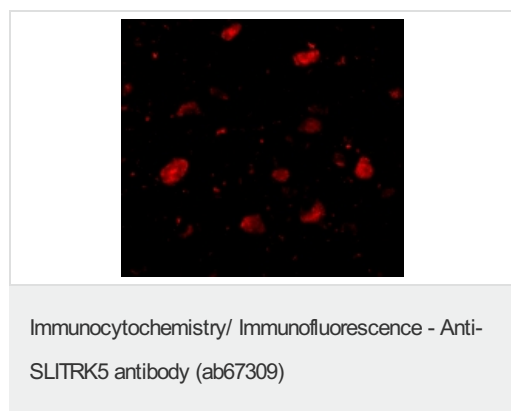
**Lane 1 :** 3T3 cell lysate with no blocking  
peptide

**Lane 2 :** 3T3 cell lysate with blocking peptide

Lysates/proteins at 15 µg per lane.

**Predicted band size:** 107 kDa

**Observed band size:** 160 kDa



Immunofluorescence of SLITRK5 in Human  
Brain cells using ab67309 at 5 µg/ml.

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