

For Research Use Only

# SLITRK5 Polyclonal antibody

Catalog Number: 21496-1-AP



## Basic Information

<b>Catalog Number:</b> 21496-1-AP	<b>GenBank Accession Number:</b> BC098106	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 850 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26050	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> SLIT and NTRK-like family, member 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 958 aa, 107 kDa	
<b>Immunogen Catalog Number:</b> AG15880	<b>Observed MW:</b> 100-110 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, IF : A431 cells,
<b>Species Specificity:</b> human, mouse	

## Background Information

SLITRK5 (NTRK-like protein-5), a neuron-specific transmembrane protein, acts as a negative regulator of hedgehog signaling in osteoblasts. SLITRK5 is selectively expressed in osteoblasts and loss of SLITRK5 enhanced osteoblast differentiation in vitro and in vivo. It is a therapeutic target to enhance bone formation (PMID: 34326333). SLITRK5 deficiency impairs corticostriatal circuitry and leads to obsessive-compulsive-like behaviors in mice (PMID: 20418887).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

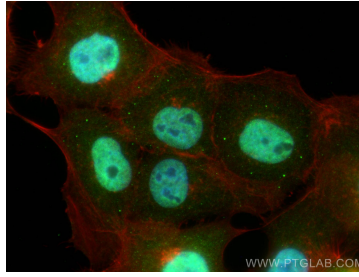
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## Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 21496-1-AP (SLITRK5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SLITRK5 antibody (21496-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).