

For Research Use Only

SLITRK5 Polyclonal antibody

Catalog Number: 21496-1-AP

1 Publications



Basic Information

Catalog Number:

21496-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15880

GenBank Accession Number:

BC098106

GeneID (NCBI):

26050

UNIPROT ID:

O94991

Full Name:

SLIT and NTRK-like family, member 5

Calculated MW:

958 aa, 107 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB : HEK-293 cells,

IF/ICC : A431 cells,

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Saori Toyoda	39774335	EMBO Rep	WB

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

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

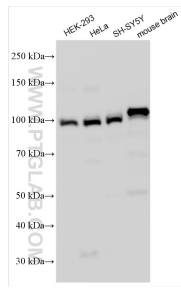
T: 4006900926

E: Proteintech-CN@ptglab.com

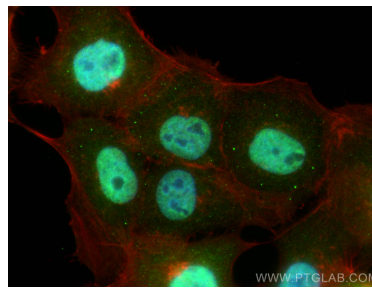
W: ptgcn.com

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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 Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).