

For Research Use Only

SLITRK5 Polyclonal antibody

Catalog Number: 21496-1-AP

1 Publications



Basic Information

Catalog Number: 21496-1-AP	GenBank Accession Number: BC098106	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 ug/ml by Nanodrop;	GeneID (NCBI): 26050	Recommended Dilutions: WB 1:500-1:3000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: O94991	
Isotype: IgG	Full Name: SLIT and NTRK-like family, member 5	
Immunogen Catalog Number: AG15880	Calculated MW: 958 aa, 107 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HEK-293 cells, IF/ICC : A431 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: 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).

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

*** 20ul sizes contain 0.1% BSA

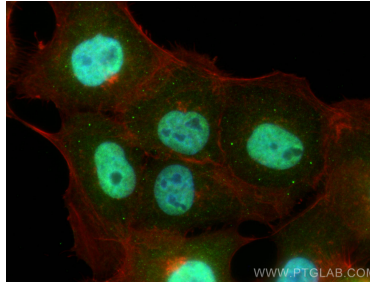
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Selected Validation Data



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).