

For Research Use Only

Shootin 1 Recombinant antibody

Catalog Number: 86541-2-RR



Basic Information

Catalog Number: 86541-2-RR	GenBank Accession Number: BC022348	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57698	CloneNo.: 251435E5
Source: Rabbit	UNIPROT ID: A0MZ66	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: KIAA1598	
Immunogen Catalog Number: AG18294	Calculated MW: 72 kDa	
	Observed MW: 60-80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SK-N-SH cells, SH-SY5Y cells, HeLa cells, Neuro-2a cells
Species Specificity: human, mouse	

Background Information

Shootin 1, also known as SHTN1, KIAA1598, contains 3 coiled-coil domains and a proline-rich region. Shootin 1 is involved in generating internal asymmetric signals required for neuronal during stages 2 and 3. Shootin 1 plays a role in cytoskeletal organization by regulating the subcellular localization of phosphoinositide 3-kinase (PI3K) activity at the axonal growth cone. SHTN1 produces 2 splice variants, a short variant, SHTN1S, that lacks exons 15 and 16, and a long variant, SHTN1L, that includes exons 1 through 17(PMID: 17030985, 30733148).

Storage

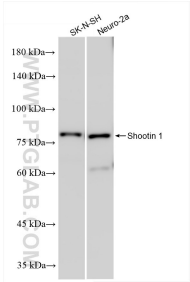
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

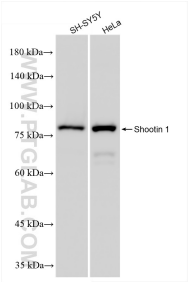
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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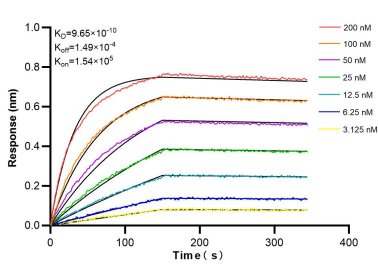
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86541-2-RR (KIAA1598 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86541-2-RR against Human Shootin 1 were performed. The affinity constant is 0.965 nM.