

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;	GenID (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

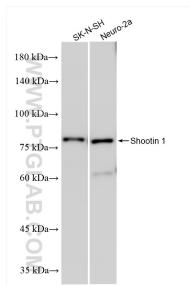
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

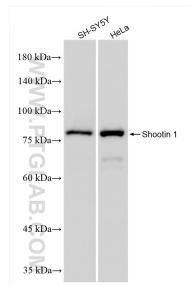
For technical support and original validation data for this product please contact:
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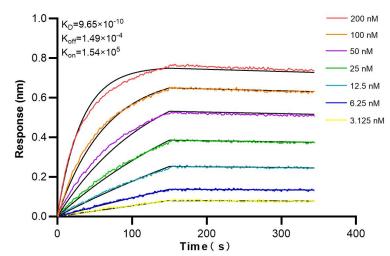
Selected Validation Data



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.