

For Research Use Only

Shootin 1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 86541-2-PBS



Basic Information

Catalog Number:	86541-2-PBS	GenBank Accession Number:	BC022348	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GenID (NCBI):	57698	CloneNo.:	251435E5
Source:	Rabbit	UNIPROT ID:	A0MZ66		
Isotype:	IgG	Full Name:	KIAA1598		
Immunogen Catalog Number:	AG18294	Calculated MW:	72 kDa		
		Observed MW:	60-80 kDa		

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA, Sample test

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

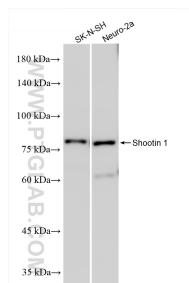
T: 4006900926

E: Proteintech-CN@ptglab.com

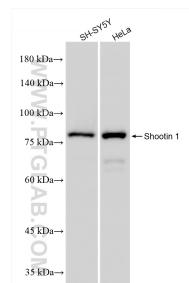
W: ptgcn.com

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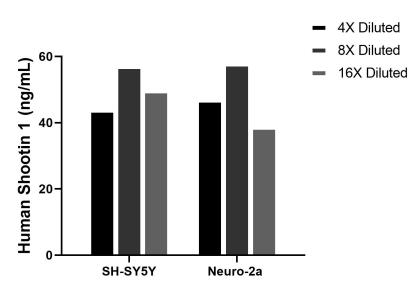
Selected Validation Data



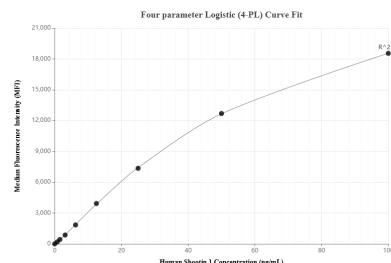
Various lysates were subjected to SDS PAGE followed by western blot with 86541-2-RR (KIAA1598 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86541-2-PBS in a different storage buffer formulation.



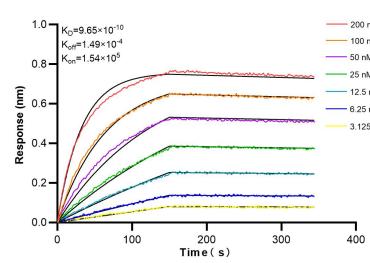
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The mean Shootin 1 concentration was determined to be 50.1 ng/mL in SH-SY5Y cell extract based on a 1.4 mg/mL extract load, 47.7 ng/mL in Neuro-2a cell extract based on a 1.6 mg/mL extract load.



Cytometric bead array standard curve of MP02499-1, Shootin 1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86541-2-PBS. Detection antibody: 86541-1-PBS. Standard: Ag18294. Range: 0.781-100 ng/mL.



Biotinylation kinetic assays of 86541-2-RR against Human Shootin 1 were performed. The affinity constant is 0.965 nM.