

For Research Use Only

SPRY4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87666-1-PBS



Basic Information

Catalog Number: 87666-1-PBS	GenBank Accession Number: BC125095	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 81848	CloneNo.: 253045D12
Source: Rabbit	UNIPROT ID: Q9C004	
Isotype: IgG	Full Name: sprouty homolog 4 (Drosophila)	
Immunogen Catalog Number: AG18574	Calculated MW: 299 aa, 33 kDa	
	Observed MW: 35-38 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

SPRY4, also named as Protein sprouty homolog 4, is a 299 amino acid protein, which contains one SPR (sprouty) domain and belongs to the sprouty family. SPRY4 Suppresses the INS receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras. Probably impairs the formation of GTP-Ras. SPRY4 has a cellular function to regulate the actin cytoskeleton, independent of its inhibitory activity on the Ras/MAP kinase signalling. SPRY1, SPRY2, SPRY3, SPRY4, are central and complex regulators of the receptor tyrosine kinase (RTK) signalling pathway.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

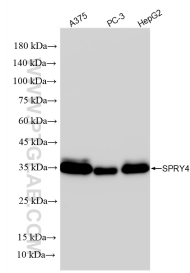
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

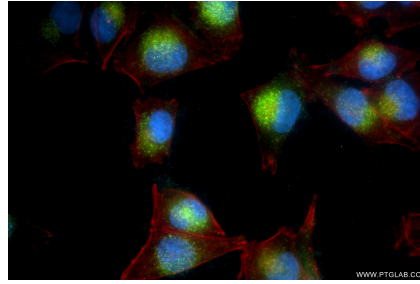
E: proteintech@ptglab.com
W: ptglab.com

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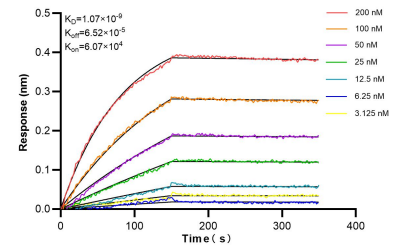
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87666-1-RR (SPRY4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87666-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A375 cells using SPRY4 antibody (87666-1-RR, Clone: 253045D12) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87666-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87666-1-RR against Human SPRY4 were performed. The affinity constant is 1.07 nM.