

For Research Use Only

RHOBTB1 Recombinant antibody

Catalog Number: 83342-1-RR



Basic Information

Catalog Number: 83342-1-RR	GenBank Accession Number: BC032848	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 9886	CloneNo.: 240253F10
Source: Rabbit	UNIPROT ID: O94844	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: Rho-related BTB domain containing 1	
Immunogen Catalog Number: AG3365	Calculated MW: 696 aa, 79 kDa	
	Observed MW: 79 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, U-251 cells, HT-29 cells
Species Specificity: Human	

Background Information

Rho-related BTB domain containing protein 1 (RhoBTB1) is also named as KIAA0740. RhoBTB1 is an atypical Rho GTPase with two BTB domains in addition to its Rho domain. RhoBTB1 is a substrate for ROCK1, and mutation of putative phosphorylation sites reduces its association with Cullin3, a scaffold for ubiquitin ligases (PMID: 31431478). RHOBTB1 is a novel PPAR γ gene target in vascular smooth muscle cells that mediates the protective effect of PPAR γ by serving as a substrate adaptor between the Cullin-3 RING ubiquitin ligase and phosphodiesterase 5, thus restraining its activity through ubiquitination and proteasomal degradation (PMID: 31789920).

Storage

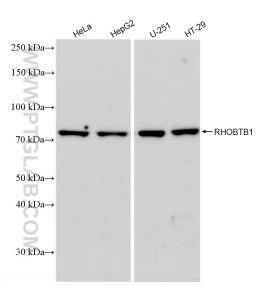
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

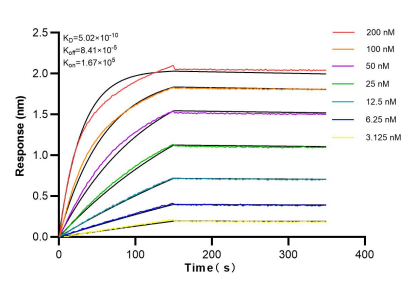
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83342-1-RR (RHOBTB1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83342-1-RR against Human RHOBTB1 were performed. The affinity constant is 0.502 nM.