

For Research Use Only

SIAH1 Recombinant antibody

Catalog Number: 83389-4-RR



Basic Information

Catalog Number: 83389-4-RR	GenBank Accession Number: BC035562	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6477	CloneNo.: 240377B4
Source: Rabbit	UNIPROT ID: Q8IUQ4	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Isotype: IgG	Full Name: seven in absentia homolog 1 (Drosophila)	
Immunogen Catalog Number: AG34618	Calculated MW: 282 aa, 31 kDa	
	Observed MW: 30-34 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : A549 cells, mouse kidney tissue, HepG2 cells, HEK-293T cells, SH-SY5Y cells, Jurkat cells, COLO 320 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse testis tissue,

Background Information

SIAH1, also named as HUMSIAH, Siah-1a and Siah-1S(21kd), belongs to the SINA (Seven in absentia) family. SIAH1 is known to cause indirect degradation of beta-catenin through formation of a complex with Siah-interacting protein (SIP), Skp1 and Ebi. SIAH1 can form heterodimer or homodimer such as Siah-1^{*}Siah-1(70 or 62kd), Siah-1^{*}Siah-1S(42kd) and Siah-1S^{*}Siah-1S(51-56kd). Importantly, results from in vitro soft agar assay demonstrated that Siah-1S displays a promotion effect on cells tumorigenicity. (PMID:17420721)

Storage

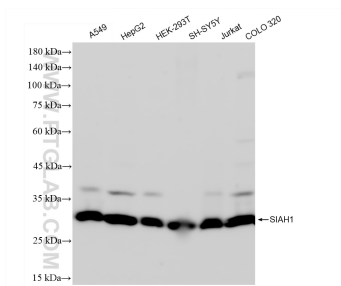
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

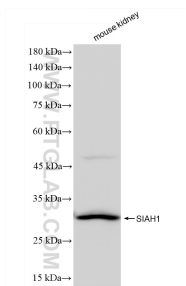
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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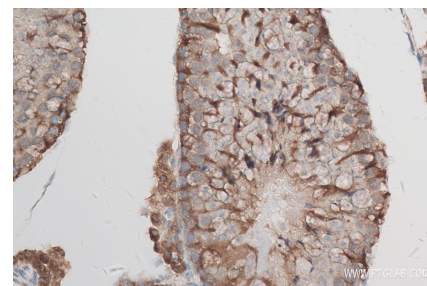
Selected Validation Data



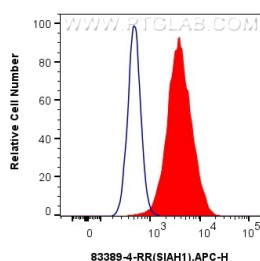
Various lysates were subjected to SDS PAGE followed by western blot with 83389-4-RR (SIAH1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



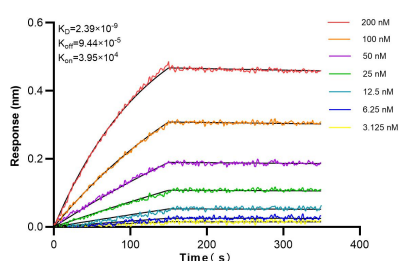
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 83389-4-RR (SIAH1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 83389-4-RR (SIAH1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ A549 cells were intracellularly stained with 0.25 ug Siah1 Recombinant Antibody (83389-4-RR, Clone:240377B4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83389-4-RR against Human SIAH1 were performed. The affinity constant is 2.39 nM.