

For Research Use Only

PIAS4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86793-1-PBS



Basic Information

Catalog Number: 86793-1-PBS	GenBank Accession Number: BC029874	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51588	CloneNo.: 251712C4
Source: Rabbit	UNIPROT ID: Q8N2W9	
Isotype: IgG	Full Name: protein inhibitor of activated STAT, 4	
Immunogen Catalog Number: AG37383	Calculated MW: 57 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, Indirect ELISA
Species Specificity:
human

Background Information

PIAS4 (protein inhibitor of activated STAT protein 4) is also named as PIASG, PIASy and belongs to the PIAS family. It enhanced the conjugation of SUMO2 to GATA2 through its E3 SUMO ligase activity. TGF- β can up-regulate PIAS4 expression in MCs to down-regulate α -SMA gene transcription by the interaction with E12 and PIAS4 predominantly acts as E3 ligases for E12 in MCs among PIAS family members (PMID:22829926). This protein can be sumoylated and Lys-35 is the main site of sumoylation (PMID:15831457).

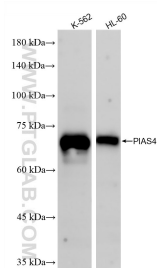
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

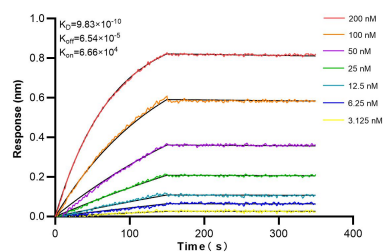
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86793-1-RR (PIAS4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86793-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86793-1-RR against Human PIAS4 were performed. The affinity constant is 0.983 nM.