

PIAS4 Recombinant monoclonal antibody

Catalog Number: 86793-1-RR

Basic Information

Catalog Number:

86793-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37383

GenBank Accession Number:

BC029874

GeneID (NCBI):

51588

UNIPROT ID:

Q8N2W9

Full Name:

protein inhibitor of activated STAT, 4

Calculated MW:

57 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

251712C4

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells, HL-60 cells

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:

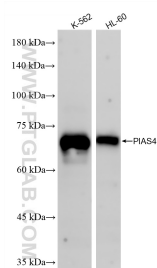
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

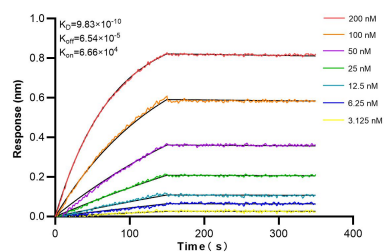
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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.



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