

For Research Use Only

FBXO38 Recombinant antibody

Catalog Number: 83509-6-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

83509-6-RR

Size:

100ul, Concentration: 1000 ug/ml by

Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35444

GenBank Accession Number:

XM_005268513.1

GeneID (NCBI):

81545

UNIPROT ID:

Q6PIJ6

Full Name:

F-box protein 38

Calculated MW:

134kDa 1188aa

Observed MW:

133 kDa

Purification Method:

Protein A purification

CloneNo.:

240513C9

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells, Jurkat cells

Background Information

FBXO38, also known as HMN2D, MOKA, and SP329, is a protein that plays a significant role in the regulation of immune responses, particularly in the context of cancer and autoimmune diseases. FBXO38 has been identified as an E3 ubiquitin ligase that mediates the degradation of PD-1 (Programmed cell death protein 1), a key immune checkpoint protein expressed on the surface of T cells. The internalization, ubiquitination, and proteasome degradation of PD-1 are facilitated by FBXO38, which links PD-1 to Lys48, leading to its poly-ubiquitination and subsequent degradation (PMID: 30487606).

Notable Publications

Author	Pubmed ID	Journal	Application
Yexiang Chen	39469623	Front Pharmacol	WB

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

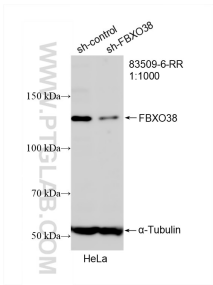
For technical support and original validation data for this product please contact:

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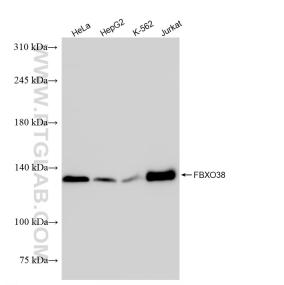
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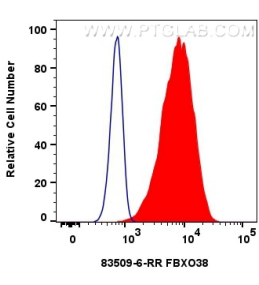
Selected Validation Data



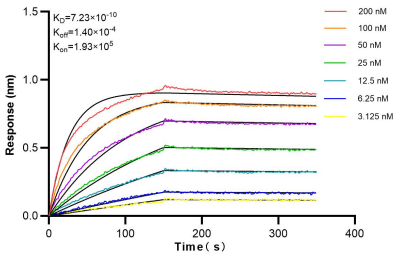
WB result of FBXO38 antibody (83509-6-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FBXO38 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 83509-6-RR (FBXO38 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug FBXO38 Recombinant antibody (83509-6-RR, Clone:240513C9) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83509-6-RR against Human FBXO38 were performed. The affinity constant is 0.723 nM.