

For Research Use Only

FBXO38 Recombinant antibody, PBS Only

Catalog Number: 83509-6-PBS

Featured Product



Basic Information

Catalog Number:

83509-6-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

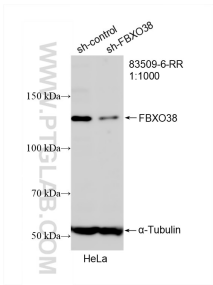
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

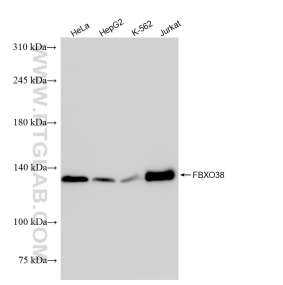
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

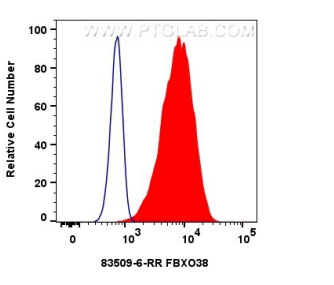
Selected Validation Data



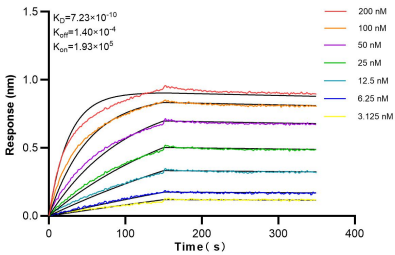
WB result of FBXO38 antibody (83509-6-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FBXO38 transfected HeLa cells. This data was developed using the same antibody clone with 83509-6-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 83509-6-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83509-6-PBS in a



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