

For Research Use Only

FBXO38 Recombinant antibody

Catalog Number:83509-5-RR



Basic Information

Catalog Number: 83509-5-RR	GenBank Accession Number: XM_005268513.1	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 81545	CloneNo.: 240513A4
Source: Rabbit	UNIPROT ID: Q6PIJ6	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: F-box protein 38	
Immunogen Catalog Number: AG35444	Calculated MW: 134kDa 1188aa	
	Observed MW: 125kDa, 140 kDa, 150kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, K-562 cells, Jurkat cells
Species Specificity: human	IF/ICC : HepG2 cells,

Background Information

F-box-containing protein 38 (FBXO38), a member of the F-box family, was initially discovered as a co-activator of the transcription factor Krüppel-like factor 7 (KLF7) (PMID: 14729953). FBXO38 acts as a substrate-binding receptor for multi-subunit ubiquitin ligase SKP1-CUL1-FBXO38 (PMID: 35769260). FBXO38 is an E3 ligase of PD-1 that mediates Lys48-linked poly-ubiquitination and subsequent proteasome degradation (PMID: 30487606).

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

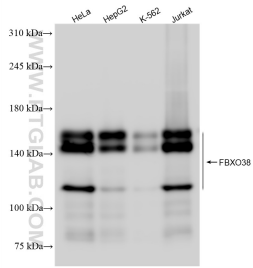
For technical support and original validation data for this product please contact:

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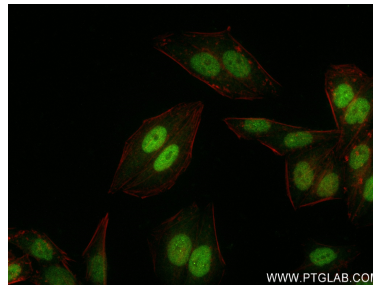
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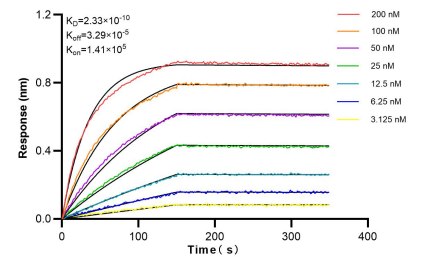
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83509-5-RR (FBXO38 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FBXO38 antibody (83509-5-RR, Clone: 240513A4) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 83509-5-RR against Human FBXO38 were performed. The affinity constant is 0.233 nM.