

For Research Use Only

# FBXO38 Recombinant antibody

Catalog Number:83509-5-RR



## Basic Information

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

## Applications

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

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

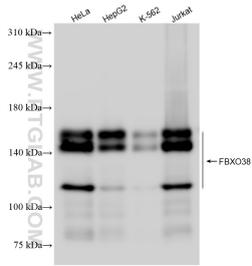
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

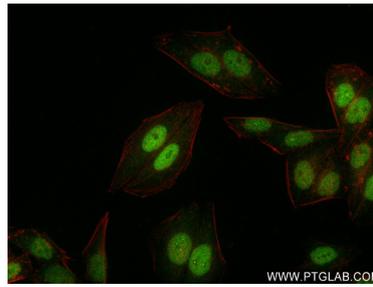
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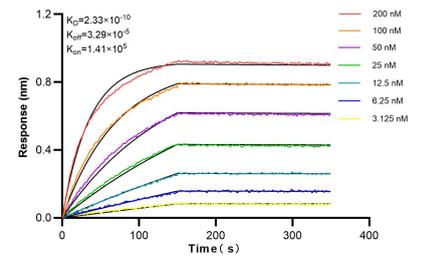
## Selected Validation Data



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.