

For Research Use Only

# FBXO38 Recombinant antibody

Catalog Number: 83509-5-RR



## Basic Information

### Catalog Number:

83509-5-RR

### Size:

1000 ug/ml

### 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:

125kDa, 140 kDa, 150kDa

### Purification Method:

Protein A purification

### CloneNo.:

240513A4

### Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:125-1:500

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

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

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

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

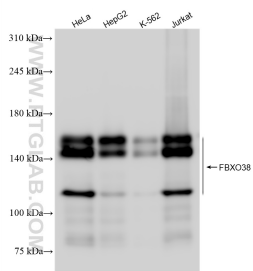
T: 4006900926

E: Proteintech-CN@ptglab.com

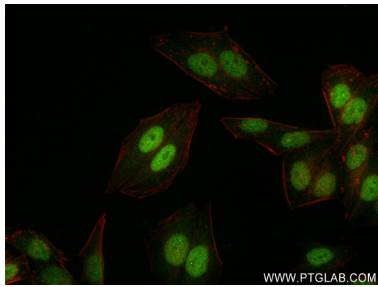
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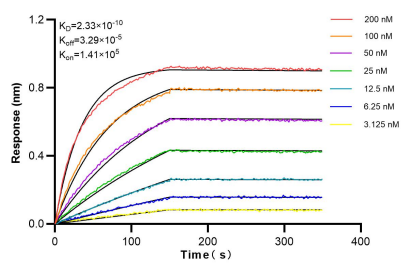
## Selected Validation Data



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).



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