

For Research Use Only

# FBXO6 Monoclonal antibody

Catalog Number: 67697-1-Ig

Featured Product

2 Publications



## Basic Information

Catalog Number:

67697-1-Ig

Concentration:

1200 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG30512

GenBank Accession Number:

BC020880

GeneID (NCBI):

26270

UNIPROT ID:

Q9NRD1

Full Name:

F-box protein 6

Calculated MW:

293 aa, 34 kDa

Observed MW:

34 kDa

Purification Method:

Protein A purification

CloneNo.:

3B7F9

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, Jurkat cells, MOLT-4 cells, K-562 cells, U-937 cells, RAW 264.7 cells, HSC-T6 cells

IF/ICC : HEK-293 cells,

## Background Information

FBXO6(F-box only protein 6 ) is also named as FBG2, FBS2, FBX6 and belongs to the F-box protein family. FBXO6 is the substrate recognition component of a Skp1-Cullin1-F-box protein (SCF) ubiquitin E3 ligase complex, recognizing the chitobiose in unfolded N-glycoprotein to target glycoproteins for polyubiquitination and degradation. It can regulate Chk1 ubiquitination and degradation in both normally cycling cells and during replication stress. This protein is mainly detected in the cytoplasm in both cultured cells and in tumor tissues. Its expression is a predictive biomarker of tumor responsiveness to the important anticancer drugs. Positive Fbxo6 expression correlated with early TNM stage and favorable prognosis of NSCLC patients. (PMID:19716789, PMID: 27855403, PMID: 31140586).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yongxiang Shi	39674232	J Control Release	WB
Pengyu Fan	37313465	Front Oncol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

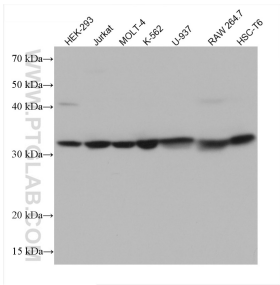
T: 4006900926

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

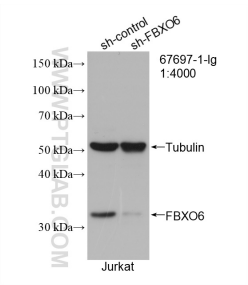
W: [ptgcn.com](http://ptgcn.com)

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67697-1-Ig (FBXO6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of FBXO6 antibody (67697-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FBXO6 transfected Jurkat cells.

Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using FBXO6 antibody (67697-1-Ig, Clone: 3B7F9 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).