

For Research Use Only

FBXO6 Monoclonal antibody

Catalog Number: 67697-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

67697-1-Ig

GenBank Accession Number:

BC020880

Purification Method:

Protein A purification

Size:

150ul, Concentration: 1200 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

26270

CloneNo.:

3B7F9

Source:

Mouse

UNIPROT ID:

Q9NRD1

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:200-1:800

Isotype:

IgG2b

Full Name:

F-box protein 6

Calculated MW:

293 aa, 34 kDa

Immunogen Catalog Number:

AG30512

Observed MW:

34 kDa

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

*** 20ul sizes contain 0.1% BSA

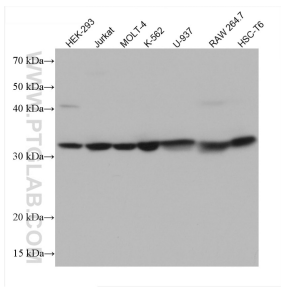
For technical support and original validation data for this product please contact:

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

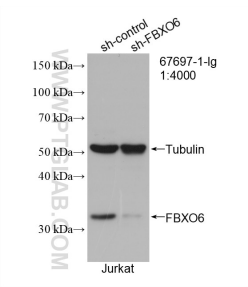
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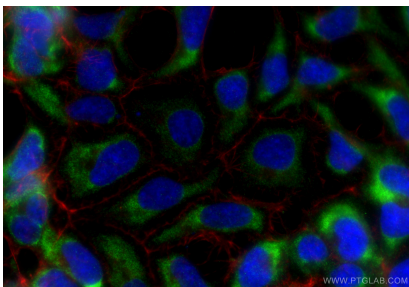
Selected Validation Data



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).