

For Research Use Only

CoraLite® Plus 488-conjugated FBXO6 Monoclonal antibody



Catalog Number: **CL488-67697**

Basic Information

Catalog Number:

CL488-67697

Size:

1000 µg/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

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, mouse, rat

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).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

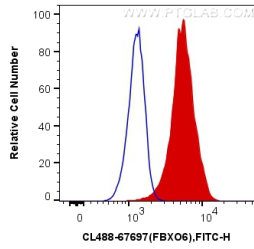
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human FBXO6 (CL488-67697, Clone:3B7F9) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).