

FBXO38 Rabbit pAb

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Catalog # AP59151

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6PIJ6
Predicted	Rat, Dog, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133944
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBXO38
Epitope Specificity	631-180/1188
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic and Nuclear.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	F box protein 38 probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation. It may coactivate KLF7, but does not seem to promote KLF7 ubiquitination. There are three named isoforms.

Additional Information

Gene ID	81545
Other Names	F-box only protein 38, FBXO38 (HGNC:28844)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	FBXO38 (HGNC:28844)
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and

subsequent proteasomal degradation of PDCD1/PD-1, thereby regulating T-cells-mediated immunity (PubMed:[30487606](#)). Required for anti-tumor activity of T-cells by promoting the degradation of PDCD1/PD-1; the PDCD1-mediated inhibitory pathway being exploited by tumors to attenuate anti-tumor immunity and facilitate tumor survival (PubMed:[30487606](#)). May indirectly stimulate the activity of transcription factor KLF7, a regulator of neuronal differentiation, without promoting KLF7 ubiquitination (By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8BMI0}. Nucleus {ECO:0000250|UniProtKB:Q8BMI0} Note=Accumulates predominantly in the cytosol. Exported from the nucleus in a XPO1/CRM1-dependent manner {ECO:0000250|UniProtKB:Q8BMI0}

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.