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FBXO16 Rabbit pAb

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Catalog # AP56089

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IX29
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34588
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBXO16
Epitope Specificity	1-100/292
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbx class. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Additional Information

Gene ID	157574
Other Names	F-box only protein 16, FBXO16, FBX16
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	FBXO16
Synonyms	FBX16
Function	Substrate recognition component of an SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Functions as a putative tumor suppressor by targeting nuclear beta-catenin/CTNNB1 for degradation independently of upstream activating signals, thereby inhibiting epithelial-to-mesenchymal transition (PubMed:30714168). Controls the ubiquitination and degradation of hnRNPL (PubMed:34333526). Negatively regulates NF-kappa- B signaling by mediating the polyubiquitination and degradation of RELA (PubMed:40529355). Inhibits autophagy by promoting 'Lys-48'-linked polyubiquitination of the serine/threonine-protein kinase ULK1 (PubMed:39384743).
Tissue Location	Expressed in heart, spleen and colon.

Background

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