

FbxO6 Rabbit pAb

FbxO6 Rabbit pAb Catalog # AP58442

Product Information

Application IHC-P, IHC-F, IF

Primary Accession

Reactivity
Rat, Pig, Dog
Host
Rabbit
Clonality
Polyclonal
Calculated MW
33933
Physical State
Liquid

Immunogen KLH conjugated synthetic peptide derived from human FbxO6

Epitope Specificity 101-200/293

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 Cytoplasm.

SIMILARITY Contains 1 F-box domain. Contains 1 FBA (F-box associated) domain.

SUBUNIT Interacts with VCP.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions The F box, named after cyclin F in which it was originally observed, is an

approximately 40-amino acid motif that binds SKP1. F-box proteins are components of modular E3 ubiquitin protein ligases called SCFs (SKP1, cullin, F-box proteins), which function in phosphorylation-dependent ubiquitination.

Additional Information

Gene ID 26270

Other Names F-box only protein 6, F-box protein that recognizes sugar chains 2,

F-box/G-domain protein 2, FBXO6, FBG2, FBS2, FBX6

Dilution IHC-P=1:100-500,IHC-F=1:100-500

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 FBXO6

Synonyms

FBG2, FBS2, FBX6

Function

Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complexes. Involved in endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded lumenal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Able to recognize and bind denatured glycoproteins, which are modified with not only high- mannose but also complex-type oligosaccharides. Also recognizes sulfated glycans. Also involved in DNA damage response by specifically recognizing activated CHEK1 (phosphorylated on 'Ser-345'), promoting its ubiquitination and degradation. Ubiquitination of CHEK1 is required to ensure that activated CHEK1 does not accumulate as cells progress through S phase, or when replication forks encounter transient impediments during normal DNA replication.

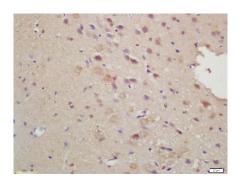
Cellular Location

Cytoplasm.

Background

The F box, named after cyclin F in which it was originally observed, is an approximately 40-amino acid motif that binds SKP1. F-box proteins are components of modular E3 ubiquitin protein ligases called SCFs (SKP1, cullin, F-box proteins), which function in phosphorylation-dependent ubiquitination.

Images



Tissue/cell: mouse brain tissue; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-FbxO6 Polyclonal Antibody, Unconjugated(AP58442) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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