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FBXO42 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54286

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6P3S6
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77839
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBXO42
Epitope Specificity	621-717/717
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 F-box domain.Contains 4 Kelch repeats.
SUBUNIT	Component of some SCF complex, composed of CUL1, SKP1,RBX1 and FBXO42. Interacts (via the kelch domain) with p53/TP53;interaction is direct.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FBXO42 (F-box only protein 42) is a 717 amino acid protein that contains four Kelch repeats and one N-terminal F-box domain, and belongs to the F-box family of proteins. F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein) type E3 ubiquitin ligase complex and are involved in substrate recognition and recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular processes (including the cell cycle, immune response, signaling cascades and developmental processes) through the targeting of proteins, such as cyclins, cyclin-dependent kinase inhibitors, IkB-a and b-catenin, for degradation by the proteasome after ubiquitination.

Additional Information

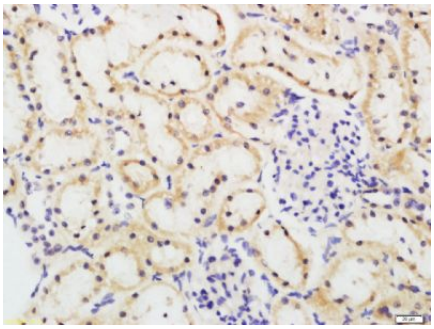
Gene ID	54455
Other Names	F-box only protein 42, Just one F-box and Kelch domain-containing protein, FBXO42, FBX42, JFK, KIAA1332
Target/Specificity	Expressed at moderate levels in liver, ovary, kidney, testis and adult brain, and at low levels in heart and fetal brain, FBXO42 directly interacts with Skp1 p19 and CUL-1.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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	FBXO42
Synonyms	FBX42, JFK, KIAA1332
Function	Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Specifically recognizes p53/TP53, promoting its ubiquitination and degradation.

Images



Tissue/cell: mouse kidney 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℃ for 20 min;
Incubation: Anti-FBXO42 Polyclonal Antibody, Unconjugated(AP54286) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining