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Rabbit Anti-FBXO2 antibody

SL13149R

Product Name:	FBXO2
Chinese Name:	F-box蛋白2抗体
Alias:	F box gene 1; F box only protein 2; F box protein 2; F box protein only 2; F-box only protein 2; FBG 1; FBG1; Fbs 1; Fbs1; Fbs2; FBX 2; FBX2; FBX2_HUMAN; FBXO 2; FBXO2; Neural F box protein NFB42; Neural F-box protein, 42-KD, rat, homolog of; NFB 42; NFB42; OCP1; Prpl4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FBXO2:121-220/296
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	FBXO2 is a 296 amino acid protein that contains one F-box domain and one F-box associated domain. Functioning as a component of the SCF complex, FBXO2 is thought to recognize and bind to select phosphorylated proteins, thereby promoting their ubiquitination and subsequent degradation.

Function:
Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the 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. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially those of the high-mannose type.

Subunit:
Component of the SCF(FBXO2) complex consisting of CUL1, RBX1, SKP1 and FBXO2. Predominantly detected as heterodimer with SKP1; the heterodimer with SKP1 is not part of the SCF(FBXO2) complex (By similarity).

Subcellular Location:
Cytoplasm. Microsome membrane.

Similarity:
Contains 1 F-box domain.
Contains 1 FBA (F-box associated) domain.

SWISS:
Q9UK22

Gene ID:
26232

Database links:

Entrez Gene: 26232Human

Entrez Gene: 230904Mouse

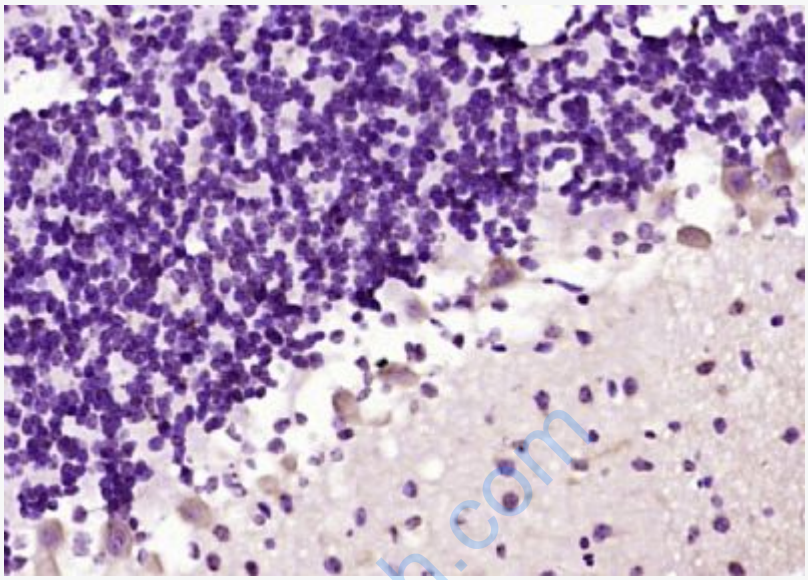
Entrez Gene: 85273Rat

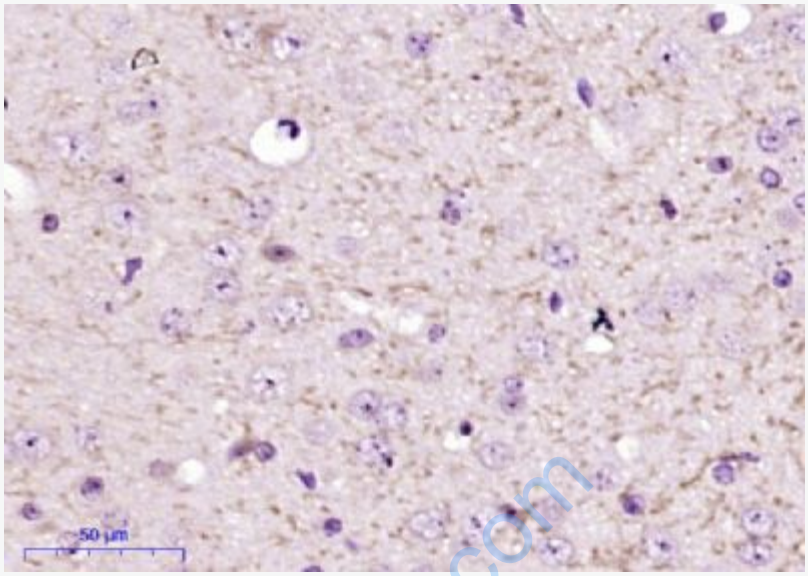
Omim: 607112Human

SwissProt: Q9UK22Human

SwissProt: Q80UW2Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FBXO2) Polyclonal Antibody, Unconjugated (SL13149R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FBXO2) Polyclonal Antibody, Unconjugated (SL13149R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.