



Rabbit Anti-FBXO31 antibody

SL6006R

Product Name:	FBXO31
Chinese Name:	F-box蛋白家族FBXO31抗体
Alias:	F box only protein 31; FBX14; FBX31; FBXO14; pp2386; Putative breast cancer tumor suppressor; SCF ubiquitin ligase specificity factor; FBX31 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	61kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FBXO31:151-250/539
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:	FBXO31 belongs to the F-box protein family. Such proteins are characterized by an F-box motif of approximately 40 residues. F-box proteins interact with SKP1 through the F box and they interact with ubiquitination targets through other protein interaction domains. There are two different isoforms. Function:

Component of some SCF (SKP1-cullin-F-box) protein ligase complex that plays a central role in G1 arrest following DNA damage. Specifically recognizes phosphorylated cyclin-D1 (CCND1), promoting its ubiquitination and degradation by the proteasome, resulting in G1 arrest. May act as a tumor suppressor.

Subunit:

Part of a SCF (SKP1-cullin-F-box) protein ligase complex.

Tissue Specificity:

Highly expressed in brain. Expressed at moderate levels in most tissues, except bone marrow.

Post-translational modifications:

Phosphorylation at Ser-278 by ATM following gamma-irradiation results in its stabilization.

Similarity:

Belongs to the FBXO31 family.
Contains 1 F-box domain.

SWISS:

Q5XUX0

Gene ID:

79791

Database links:

[Entrez Gene: 79791](#)Human

[Entrez Gene: 76454](#)Mouse

[Omin: 609102](#)Human

[SwissProt: Q5XUX0](#)Human

[SwissProt: Q3TQF0](#)Mouse

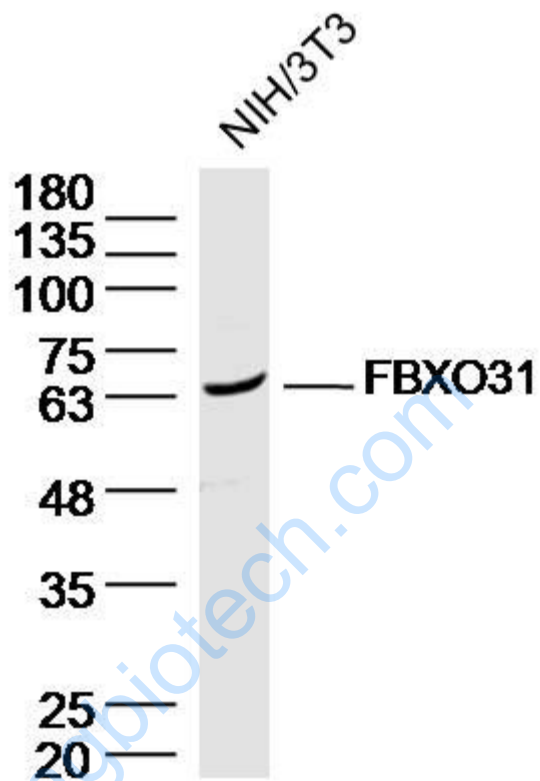
[Unigene: 567582](#)Human

[Unigene: 467749](#)Mouse

Important Note:

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

Picture:



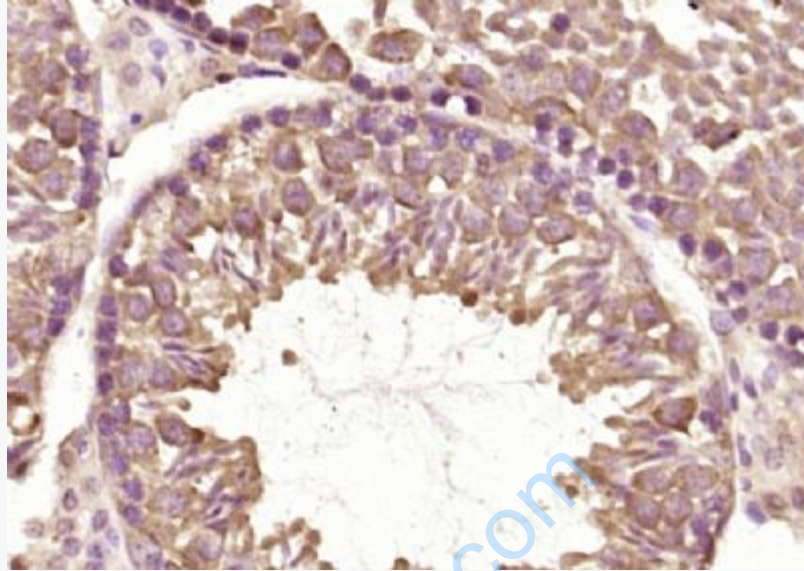
Sample: NIH/3T3 cell (mouse) Lysate at 40 ug

Primary: Anti-FBXO31 (SL6006R) at 1/300 dilution

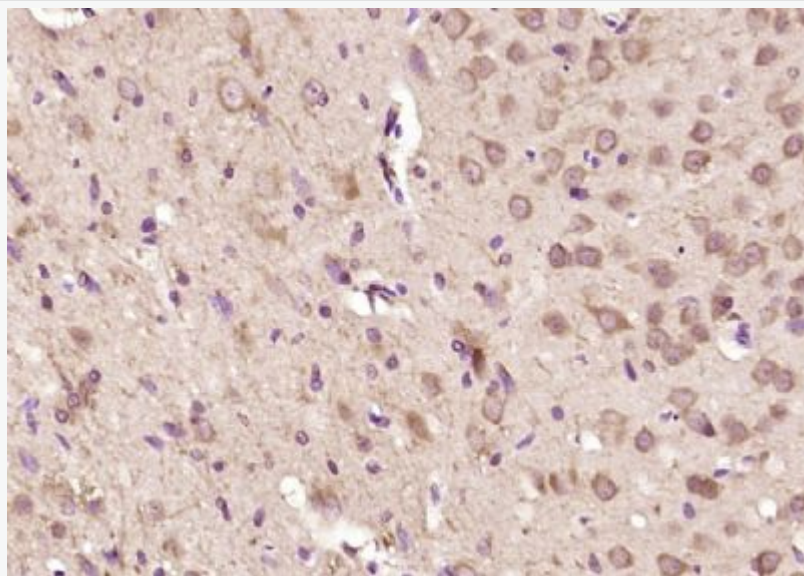
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61kD

Observed band size: 63 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (FBXO31) Polyclonal Antibody, Unconjugated (SL6006R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat 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 (FBXO31) Polyclonal Antibody, Unconjugated (SL6006R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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