

## 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.

**Research Area** Tumour Cell biology immunology

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Mouse, Rat, (predicted: Chicken, Pig, Cow, Horse, Rabbit, Sheep, )

**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 61kDa

**Cellular localization** cytoplasmic

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human FBXO31: 151-250/539

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

**PubMed** [PubMed](#)

**Product** FBXO31 belongs to the F-box protein family. Such proteins are characterized by an F-box

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**Detail**

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

[Omim: 609102](#) Human

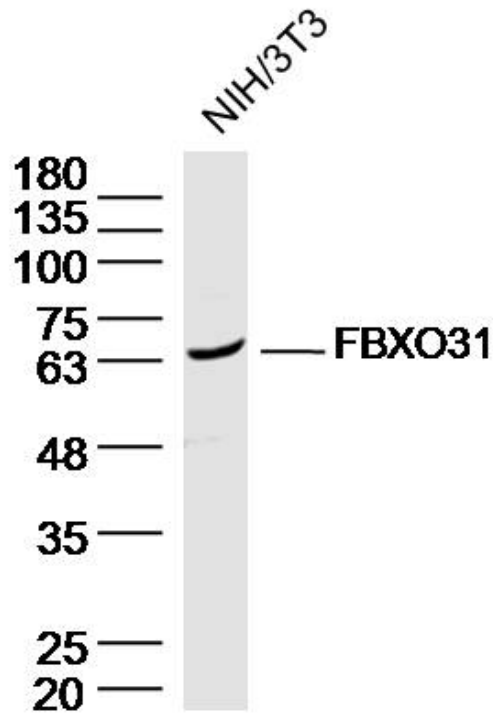
[SwissProt: Q5XUX0](#) Human

[SwissProt: Q3TQF0](#) Mouse

[Unigene: 567582](#) Human

[Unigene: 467749](#) Mouse

**Product  
Picture**



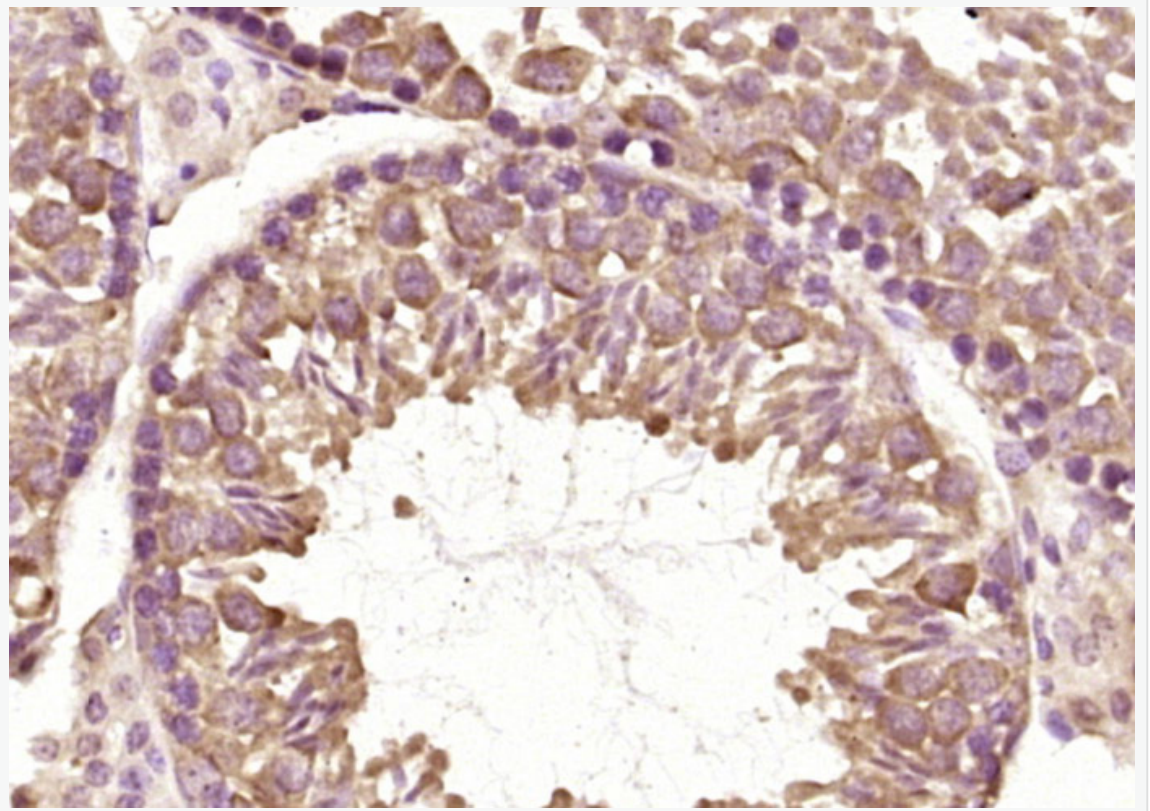
Sample: NIH/3T3 cell (mouse) Lysate at 40 ug

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

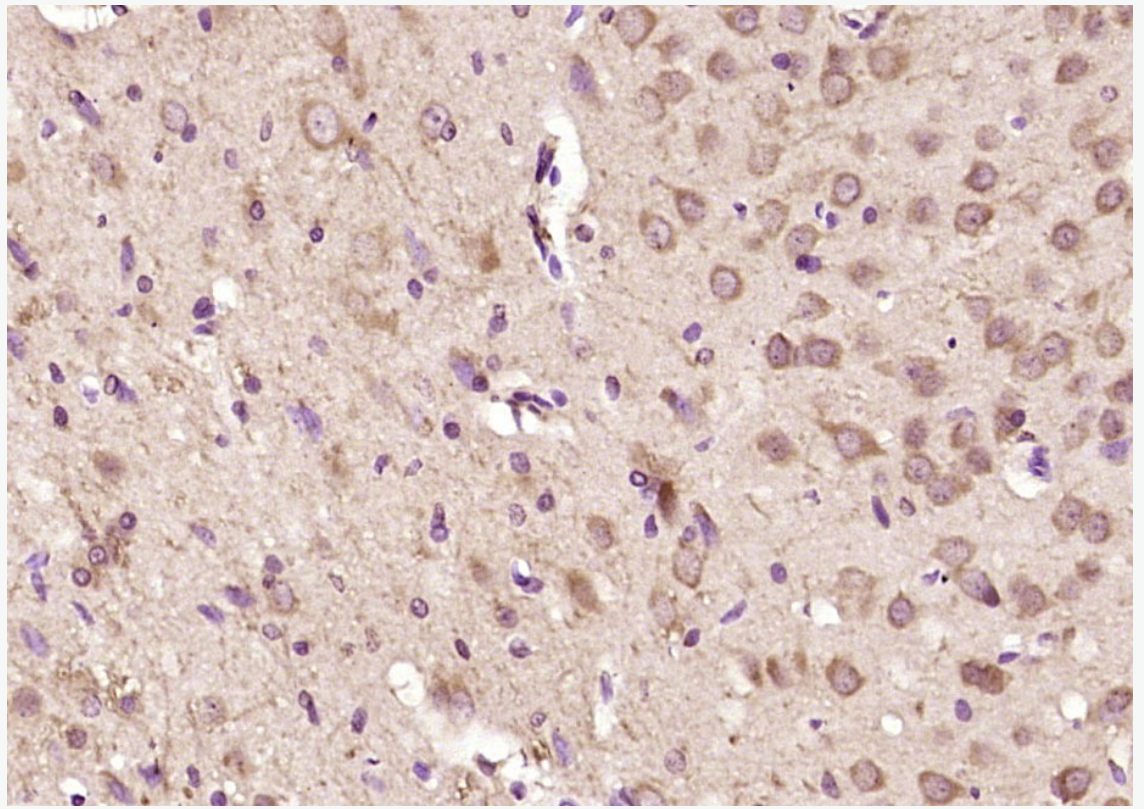
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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.