

FBXW7 Rabbit pAb

Catalog No.: A5872 **4 Publications**

Basic Information

Catalog No.

A5872

Observed MW

80kDa

Calculated MW

66kDa/70kDa/79kDa

Category

Primary antibody

Applications

WB,IHC,IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene was previously referred to as FBX30, and belongs to the Fbws class; in addition to an F-box, this protein contains 7 tandem WD40 repeats. This protein binds directly to cyclin E and probably targets cyclin E for ubiquitin-mediated degradation. Mutations in this gene are detected in ovarian and breast cancer cell lines, implicating the gene's potential role in the pathogenesis of human cancers. Multiple transcript variants encoding different isoforms have been found for this gene.

Immunogen Information

Gene ID	Swiss Prot
55294	Q969H0

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 408-707 of human FBXW7 (NP_361014.1).

Synonyms

FBXW7;AGO;CDC4;FBW6;FBW7;FBX30;FBXO30;FBXW6;SEL-10;SEL10;hAgo;hCdc4

Product Information

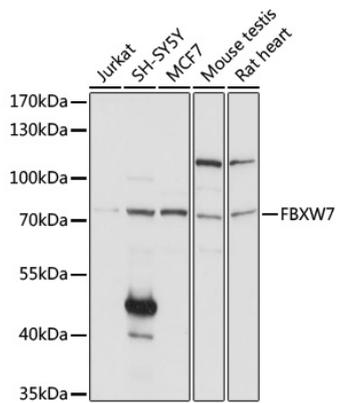
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using FBXW7 antibody (A5872) at 1:1000 dilution.

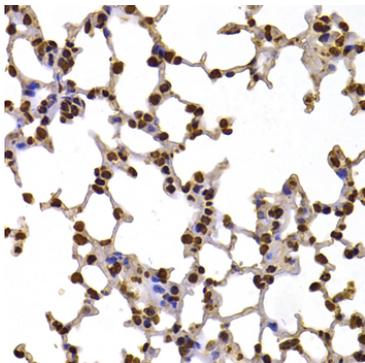
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

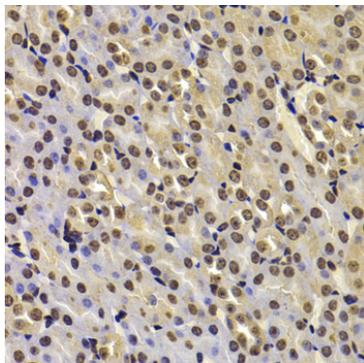
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

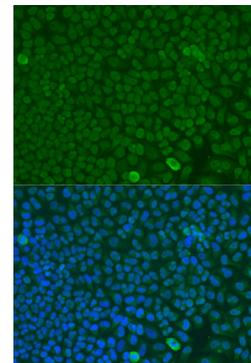
Exposure time: 1s.



Immunohistochemistry of paraffin-embedded mouse lung using FBXW7 antibody (A5872) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using FBXW7 antibody (A5872) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using FBXW7 antibody (A5872) at dilution of 1:100. Blue: DAPI for nuclear staining.