

Goat Anti-FBXW2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1407a**Specification**

Goat Anti-FBXW2 Antibody - Product Information

Application	WB, IHC, E
Primary Accession	Q9UKT8
Other Accession	NP_036296 , 26190
Reactivity	Human, Mouse, Rat
Predicted	Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	51512

Goat Anti-FBXW2 Antibody - Additional Information**Gene ID** 26190**Other Names**

F-box/WD repeat-containing protein 2, F-box and WD-40 domain-containing protein 2, Protein MD6, FBXW2, FBW2, FWD2

DilutionWB~~1:1000
IHC~~1:100~500
E~~N/A**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-FBXW2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FBXW2 Antibody - Protein Information**Name** FBXW2**Synonyms** FBW2, FWD2

Function

Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex.

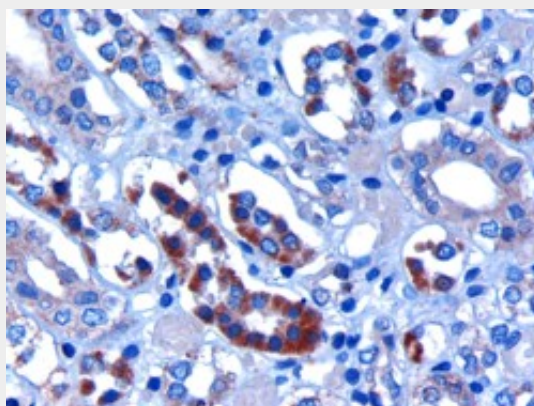
Goat Anti-FBXW2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-FBXW2 Antibody - Images

AF1407a staining (0.3 µg/ml) of Human Kidney lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



AF1407a (3 µg/ml) staining of paraffin embedded Human Kidney. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.

Goat Anti-FBXW2 Antibody - Background

F-box proteins are an expanding family of eukaryotic proteins characterized by an approximately 40 amino acid motif, the F box. Some F-box proteins have been shown to be critical for the ubiquitin-mediated degradation of cellular regulatory proteins. In fact, F-box proteins are one of the four subunits of ubiquitin protein ligases, called SCFs. SCF ligases bring ubiquitin conjugating

enzymes to substrates that are specifically recruited by the different F-box proteins. Mammalian F-box proteins are classified into three groups based on the presence of either WD-40 repeats, leucine-rich repeats, or the presence or absence of other protein-protein interacting domains. This gene encodes the second identified member of the F-box gene family and contains multiple WD-40 repeats.

Goat Anti-FBXW2 Antibody - References

Ubiquitin-conjugating enzyme UBE2D2 is responsible for FBXW2 (F-box and WD repeat domain containing 2)-mediated human GCM1 (glial cell missing homolog 1) ubiquitination and degradation. Chiang MH, et al. Biol Reprod, 2008 Nov. PMID 18703417.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

FBW2 targets GCMa to the ubiquitin-proteasome degradation system. Yang CS, et al. J Biol Chem, 2005 Mar 18. PMID 15640526.

M-phase kinases induce phospho-dependent ubiquitination of somatic Wee1 by SCFbeta-TrCP. Watanabe N, et al. Proc Natl Acad Sci U S A, 2004 Mar 30. PMID 15070733.

Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.