

Goat Anti-FEM1C Antibody
Peptide-affinity purified goat antibody
Catalog # AF1408a**Specification****Goat Anti-FEM1C Antibody - Product Information**

Application	WB
Primary Accession	O96JP0
Other Accession	NP_064562 , 56929 , 240263 (mouse)
Reactivity	Mouse, Rat
Predicted	Human, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	68673

Goat Anti-FEM1C Antibody - Additional Information**Gene ID** 56929**Other Names**

Protein fem-1 homolog C, FEM1c, FEM1-gamma, FEM1C, KIAA1785

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-FEM1C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FEM1C Antibody - Protein Information**Name** FEM1C {ECO:0000303|PubMed:14527725, ECO:0000312|HGNC:HGNC:16933}**Function**

Substrate-recognition component of a Cul2-RING (CRL2) E3 ubiquitin-protein ligase complex of the DesCEND (destruction via C-end degrons) pathway, which recognizes a C-degron located at the extreme C terminus of target proteins, leading to their ubiquitination and degradation (PubMed:29779948, PubMed:29775578, PubMed:33398170, PubMed:33398170).

[33398168](http://www.uniprot.org/citations/33398168)). The C-degron recognized by the DesCEND pathway is usually a motif of less than ten residues and can be present in full-length proteins, truncated proteins or proteolytically cleaved forms (PubMed:[29779948](http://www.uniprot.org/citations/29779948), PubMed:[29775578](http://www.uniprot.org/citations/29775578), PubMed:[33398170](http://www.uniprot.org/citations/33398170), PubMed:[33398168](http://www.uniprot.org/citations/33398168)). The CRL2(FEM1C) complex specifically recognizes proteins with an arginine at the C-terminus: recognizes and binds proteins ending with -Lys/Arg-Xaa-Arg and -Lys/Arg-Xaa-Xaa-Arg C-degrons, such as SIL1 or OR51B2, leading to their ubiquitination and degradation (PubMed:[33398170](http://www.uniprot.org/citations/33398170), PubMed:[33398168](http://www.uniprot.org/citations/33398168)). The CRL2(FEM1C) complex mediates ubiquitination and degradation of truncated MSRB1/SEPX1 selenoproteins produced by failed UGA/Sec decoding (PubMed:[26138980](http://www.uniprot.org/citations/26138980)). Promotes ubiquitination and degradation of SLBP (PubMed:[28118078](http://www.uniprot.org/citations/28118078)).

Tissue Location

Widely expressed. Highly expressed in kidney, cardiac tissue, skeletal muscle and testis. Expressed at lower levels in other tissues, including cartilage.

Goat Anti-FEM1C 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-FEM1C Antibody - Images



AF1408a (0.5 µg/ml) staining of rat kidney lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-FEM1C Antibody - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.

FEM1A and FEM1B: novel candidate genes for polycystic ovary syndrome. Goodarzi MO, et al. Hum Reprod, 2008 Dec. PMID 18757445.

The Fem1c genes: conserved members of the Fem1 gene family in vertebrates. Ventura-Holman T, et al. Gene, 2003 Sep 18. PMID 14527725.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Identification of human FEM1A, the ortholog of a C. elegans sex-differentiation gene. Krakow D, et al. Gene, 2001 Nov 28. PMID 11733146.