

Goat Anti-UEV2V2 / MMS2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2133a**Specification**

Goat Anti-UEV2V2 / MMS2 Antibody - Product Information

Application	WB, E
Primary Accession	Q15819
Other Accession	NP_003341 , 7336 , 70620 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	16363

Goat Anti-UEV2V2 / MMS2 Antibody - Additional Information**Gene ID** 7336**Other Names**

Ubiquitin-conjugating enzyme E2 variant 2, DDVit 1, Enterocyte differentiation-associated factor 1, EDAF-1, Enterocyte differentiation-promoting factor 1, EDPF-1, MMS2 homolog, Vitamin D3-inducible protein, UBE2V2, MMS2, UEV2

Dilution

WB~~1:1000

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-UEV2V2 / MMS2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-UEV2V2 / MMS2 Antibody - Protein Information**Name** UBE2V2**Synonyms** MMS2, UEV2

Function

Has no ubiquitin ligase activity on its own. The UBE2V2/UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through 'Lys-63'. This type of poly-ubiquitination does not lead to protein degradation by the proteasome. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage.

Tissue Location

Detected in placenta, colon, liver and skin. Detected at very low levels in most tissues

Goat Anti-UEV2V2 / MMS2 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-UEV2V2 / MMS2 Antibody - Images

AF2133a staining (0.5 µg/ml) of human brain lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 12 hour. Detected by western blot using chemiluminescence.

Goat Anti-UEV2V2 / MMS2 Antibody - Background

Ubiquitin-conjugating enzyme E2 variant proteins constitute a distinct subfamily within the E2 protein family. They have sequence similarity to other ubiquitin-conjugating enzymes but lack the conserved cysteine residue that is critical for the catalytic activity of E2s. The protein encoded by this gene also shares homology with ubiquitin-conjugating enzyme E2 variant 1 and yeast MMS2 gene product. It may be involved in the differentiation of monocytes and enterocytes.

Goat Anti-UEV2V2 / MMS2 Antibody - References

Human HLTF functions as a ubiquitin ligase for proliferating cell nuclear antigen polyubiquitination. Unk I, et al. Proc Natl Acad Sci U S A, 2008 Mar 11. PMID 18316726.

hMMS2 serves a redundant role in human PCNA polyubiquitination. Brun J, et al. BMC Mol Biol, 2008 Feb 19. PMID 18284681.

Arabidopsis UEV1D promotes Lysine-63-linked polyubiquitination and is involved in DNA damage response. Wen R, et al. Plant Cell, 2008 Jan. PMID 18178771.

Two Mms2 residues cooperatively interact with ubiquitin and are critical for Lys63 polyubiquitination in vitro and in vivo. Pastushok L, et al. FEBS Lett, 2007 Nov 27. PMID 17964296.

A critical role for the ubiquitin-conjugating enzyme Ubc13 in initiating homologous recombination. Zhao GY, et al. Mol Cell, 2007 Mar 9. PMID 17349954.