

E2-230K / UBE2O Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2304a**Specification**

E2-230K / UBE2O Antibody (C-Term) - Product Information

Application	IHC
Primary Accession	O9C0C9
Other Accession	NP_071349.3 , 63893 , 217342 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	141293

E2-230K / UBE2O Antibody (C-Term) - Additional Information**Gene ID** 63893**Other Names**

E2/E3 hybrid ubiquitin-protein ligase UBE2O, 6.3.2.-, 6.3.2.19, Ubiquitin carrier protein O, Ubiquitin-conjugating enzyme E2 O, Ubiquitin-conjugating enzyme E2 of 230 kDa, Ubiquitin-conjugating enzyme E2-230K, Ubiquitin-protein ligase O, UBE2O, KIAA1734

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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

E2-230K / UBE2O Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

E2-230K / UBE2O Antibody (C-Term) - Protein Information**Name** UBE2O**Synonyms** KIAA1734**Function**

E2/E3 hybrid ubiquitin-protein ligase that displays both E2 and E3 ligase activities and mediates monoubiquitination of target proteins (PubMed:23455153, PubMed:<a

[24703950](http://www.uniprot.org/citations/24703950)). Negatively regulates TRAF6-mediated NF-kappa-B activation independently of its E2 activity (PubMed:[23381138](http://www.uniprot.org/citations/23381138)). Acts as a positive regulator of BMP7 signaling by mediating monoubiquitination of SMAD6, thereby regulating adipogenesis (PubMed:[23455153](http://www.uniprot.org/citations/23455153)). Mediates monoubiquitination at different sites of the nuclear localization signal (NLS) of BAP1, leading to cytoplasmic retention of BAP1. Also able to monoubiquitinate the NLS of other chromatin-associated proteins, such as INO80 and CXXC1, affecting their subcellular location (PubMed:[24703950](http://www.uniprot.org/citations/24703950)). Acts as a regulator of retrograde transport by assisting the TRIM27:MAGEL2 E3 ubiquitin ligase complex to mediate 'Lys-63'-linked ubiquitination of WASHC1, leading to promote endosomal F-actin assembly (PubMed:[23452853](http://www.uniprot.org/citations/23452853)).

Cellular Location

Cytoplasm. Nucleus. Note=Mainly localizes to the cytoplasm

Tissue Location

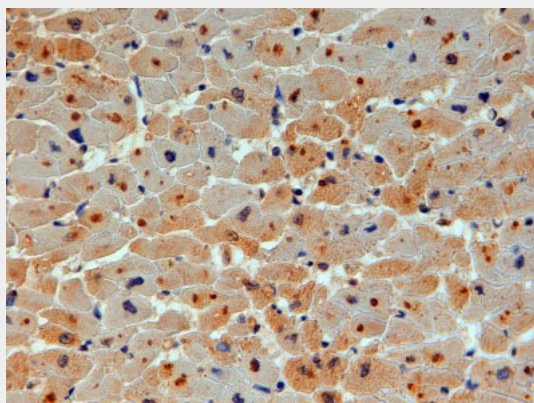
Predominantly expressed in skeletal muscle and heart.

E2-230K / UBE2O Antibody (C-Term) - 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](#)

E2-230K / UBE2O Antibody (C-Term) - Images



AF2304a (4 µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

E2-230K / UBE2O Antibody (C-Term) - References

Identification, tissue expression, and chromosomal position of a novel gene encoding human ubiquitin-conjugating enzyme E2-230k. Yokota T, Nagai H, Harada H, Mine N, Terada Y, Fujiwara H,

Yabe A, Miyazaki K, Emi M. Gene. 2001 Apr 4;267(1):95-100. PMID: 11311559