

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

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

|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Application       | IHC                                                                                  |
| Primary Accession | <a href="#">O9C0C9</a>                                                               |
| Other Accession   | <a href="#">NP_071349.3</a> , <a href="#">63893</a> , <a href="#">217342 (mouse)</a> |
| 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:<a href="http://www.uniprot.org/citations/23455153" target="\_blank">23455153</a>, 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

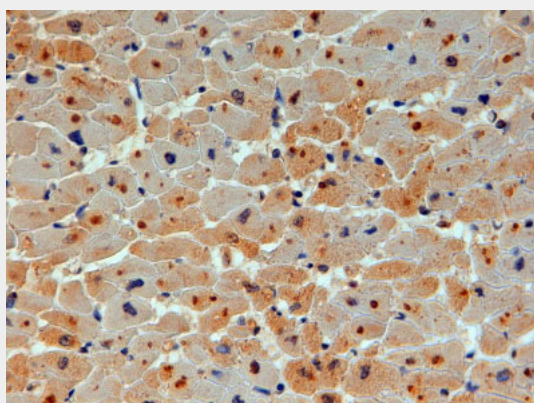
Predominantly expressed in skeletal muscle and heart.

### 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