

## ARG63481 anti-E2-230K / UBE2O antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes E2-230K / UBE2O
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	E2-230K / UBE2O
Species	Human
Immunogen	ALLEAGMPECTEDK
Conjugation	Un-conjugated
Alternate Names	E2-230K; (E3-independent) E2 ubiquitin-conjugating enzyme; E2/E3 hybrid ubiquitin-protein ligase UBE2O (EC 6.3.2.-; EC 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

### Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 6 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

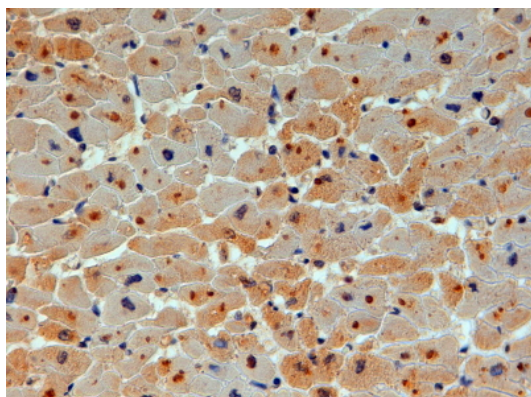
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 63893 Human</a> <a href="#">Swiss-port # Q9C0C9 Human</a>
Gene Symbol	UBE2O
Gene Full Name	ubiquitin-conjugating enzyme E2O
Function	E2/E3 hybrid ubiquitin-protein ligase that displays both E2 and E3 ligase activities and mediates monoubiquitination of target proteins (PubMed:23455153, PubMed:24703950). Negatively regulates TRAF6-mediated NF-kappa-B activation independently of its E2 activity (PubMed:23381138). Acts as a positive regulator of BMP7 signaling by mediating monoubiquitination of SMAD6, thereby regulating adipogenesis (PubMed: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). Acts as a regulator of retrograde transport by assisting the TRIM27:MAGEL2 E3 ubiquitin ligase complex to mediate 'Lys-63'-linked ubiquitination of WASH1, leading to promote endosomal F-actin assembly (PubMed:23452853). [UniProt]
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	141 kDa
PTM	Phosphorylated. Phosphorylation affects subcellular location. Ubiquitinated: autoubiquitinates, possibly affecting its subcellular location.

## Images



ARG63481 anti-E2-230K / UBE2O antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Heart. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63481 anti-E2-230K / UBE2O antibody at 4 µg/ml dilution followed by HRP-staining.