

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

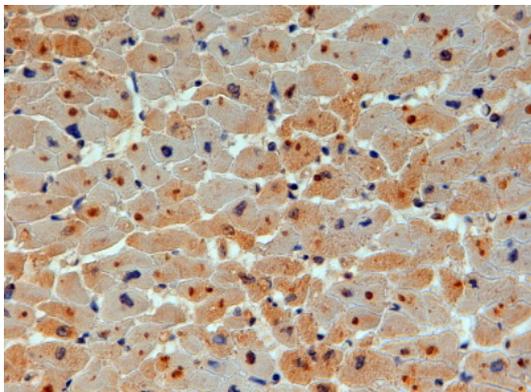
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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	GeneID: 63893 Human Swiss-port # Q9C0C9 Human
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.