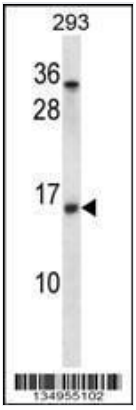
UBE2D2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UBE2D2 (Ube2d2a), Polyclonal Antibody
Full Product Name	UBE2D2, CT (UBE2D2, UBC4, UBC5B, UBCH4, UBCH5B, Ubiquitin-conjugating enzyme E2 D2, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2(17)KB 2, Ubiquitin-conjugating enzyme E2-17kD 2, Ubiquitin-protein ligase D2)
Product Gene Name	anti-Ube2d2a antibody
Product Synonym Names	Anti -UBE2D2, CT (UBE2D2, UBC4, UBC5B, UBCH4, UBCH5B, Ubiquitin-conjugating enzyme E2 D2, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2(17)KB 2, Ubiquitin-conjugating enzyme E2-17kD 2, Ubiquitin-protein ligase D2)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	16,735 Da
Chromosome Location	Chromosome: 18; NC_000084.6 (35771559..35807172). Location: 18 B2; 18
3D Structure	ModBase 3D Structure for P62838
Immunogen	UBE2D2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-140 amino acids from the C-terminal region of human UBE2D2.
Product Categories/Family for anti-Ube2d2a antibody	Antibodies; Abs to Ubiquitin Ligases
Applications Tested/Suitable for anti-Ube2d2a antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-Ube2d2a antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-Ube2d2a antibody	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. Two alternatively spliced transcript variants have been found for this gene and they encode distinct isoforms.
Other Notes	Small volumes of anti-Ube2d2a antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for Ube2d2a purchase	MBS6012359 is an antibody targeting Ube2d2a. Also known as UBE2D2, CT (UBE2D2, UBC4, UBC5B, UBCH4, UBCH5B, Ubiquitin-conjugating enzyme E2 D2, Ubiquitin carrier protein D2, Ubiquitin-conjugating enzyme E2(17)KB 2, Ubiquitin-conjugating enzyme E2-17kD 2, Ubiquitin-protein ligase D2). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-Ube2d2a antibody
UBE2D2 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the UBE2D2 antibody detected the UBE2D2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ube2d2a. It may not necessarily be applicable to this product.

NCBI GI #	9910600
NCBI GeneID	56550
NCBI Accession #	NP_064296.1
UniProt Primary Accession #	P62838
UniProt Secondary Accession #	P51669
UniProt Related Accession #	P62838
GenBank Nucleotide #	NM_019912.2
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 D2
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2D 2A
NCBI Official Symbol	Ube2d2a
NCBI Official Synonym Symbols	ubc4; Ubc2e; Ube2d2; 1500034D03Rik
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 D2
UniProt Synonym Protein Names	Ubiquitin carrier protein D2; Ubiquitin-conjugating enzyme E2(17)KB 2; Ubiquitin-conjugating enzyme E2-17 kDa 2; Ubiquitin-protein ligase D2
UniProt Gene Name	Ube2d2
UniProt Synonym Gene Names	Ubc4; Ubch4; Ubch5b; Ube2d2a
UniProt Entry Name	UB2D2_MOUSE
NCBI Protein Information	ubiquitin-conjugating enzyme E2 D2; E2(17)KB 2; ubiquitin-protein ligase D2; ubiquitin carrier protein D2; ubiquitin conjugating enzyme 2e; ubiquitin-conjugating enzyme E2D 2; ubiquitin-conjugating enzyme E2(17)KB 2; ubiquitin-conjugating enzyme E2-17 kDa 2

UniProt Comments for Ube2d2a	UBE2D2: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys- 48'-linked polyubiquitination. Mediates the selective degradation of short-lived and abnormal proteins. Functions in the E6/E6-AP- induced ubiquitination of p53/TP53. Mediates ubiquitination of PEX5 and autoubiquitination of STUB1 and TRAF6. Involved in the signal-induced conjugation and subsequent degradation of NFKBIA, FBXW2-mediated GCM1 ubiquitination and degradation, MDM2-dependent degradation of p53/TP53 and the activation of MAVS in the mitochondria by DDX58/RIG-I in response to viral infection. Essential for viral activation of IRF3. Belongs to the ubiquitin-conjugating enzyme family. Protein type: EC 6.3.2.19; Ligase; Ubiquitin conjugating system; Ubiquitin ligase Cellular Component: protein complex; ubiquitin ligase complex Molecular Function: protein binding; nucleotide binding; ubiquitin-protein ligase activity; ATP binding; ligase activity Biological Process: protein polyubiquitination; protein ubiquitination
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