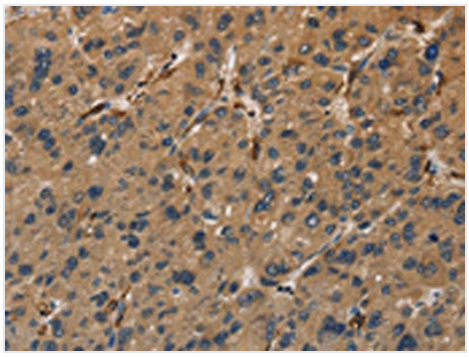
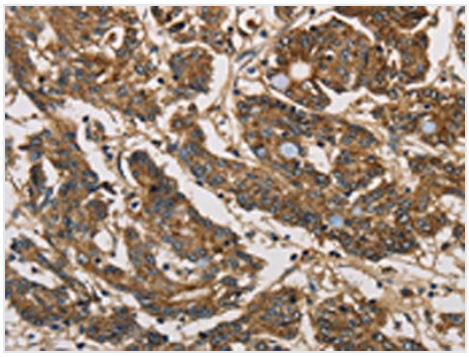
UBE2S Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	UBE2S, Polyclonal Antibody
Full Product Name	UBE2S Antibody
Product Gene Name	anti-UBE2S antibody
Product Synonym Names	Ubiquitin-conjugating enzyme E2S
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	222
OMIM	610309
3D Structure	ModBase 3D Structure for Q16763
Immunogen	Fusion protein of human UBE2S
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-UBE2S antibody	Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-UBE2S antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-UBE2S antibody	ELISA: 1:2000-1:5000 IHC: 1:50-1:200
Related Product Information for anti-UBE2S antibody	MBS7125491 is an antibody targeting UBE2S. Also known as UBE2S Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-UBE2S 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.



Immunohistochemistry (IHC)-Paraffin of anti-UBE2S antibody
The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using MBS7125491(UBE2S Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-UBE2S antibody
The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using MBS7125491(UBE2S Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UBE2S. It may not necessarily be applicable to this product.

NCBI GI #	23829978
NCBI GeneID	27338
NCBI Accession #	Q16763.2
UniProt Primary Accession #	Q16763
UniProt Secondary Accession #	Q9BTC1
UniProt Related Accession #	Q16763
NCBI Official Full Name	Ubiquitin-conjugating enzyme E2 S
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2S
NCBI Official Symbol	UBE2S
NCBI Official Synonym Symbols	EPF5; E2EPF; E2-EPF
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 S
UniProt Synonym Protein Names	E2-EPF; Ubiquitin carrier protein S; Ubiquitin-conjugating enzyme E2-24 kDa; Ubiquitin-conjugating enzyme E2-EPF5; Ubiquitin-protein ligase S
Protein Family	Ubiquitin-conjugating enzyme
UniProt Gene Name	UBE2S
UniProt Synonym Gene Names	E2EPF
UniProt Entry Name	UBE2S_HUMAN
NCBI Protein Information	ubiquitin-conjugating enzyme E2 S; E2-EPF5; ubiquitin-protein ligase S; ubiquitin carrier protein S; ubiquitin-conjugating enzyme E2-EPF5; ubiquitin-conjugating enzyme E2-24 kD; ubiquitin-conjugating enzyme E2-24 kDa
NCBI Summary for UBE2S	This gene encodes a member of the ubiquitin-conjugating enzyme family. The encoded protein is able to form a thiol ester linkage with ubiquitin in a ubiquitin activating enzyme-dependent manner, a characteristic property of ubiquitin carrier proteins. [provided by RefSeq, Jul 2008]

UniProt Comments for UBE2S	UBE2S: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes 'Lys-11'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis. Acts by specifically elongating 'Lys-11'-linked polyubiquitin chains initiated by the E2 enzyme UBE2C/UBCH10 on APC/C substrates, enhancing the degradation of APC/C substrates by the proteasome and promoting mitotic exit. Also acts by elongating ubiquitin chains initiated by the E2 enzyme UBE2D1/UBCH5 in vitro; it is however unclear whether UBE2D1/UBCH5 acts as a E2 enzyme for the APC/C in vivo. Also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, except 'Lys-48'-linked polyubiquitination. Component of the APC/C complex. Interacts with CDC20, FZR1/CDH1 and VHL. Belongs to the ubiquitin-conjugating enzyme family. Protein type: Ubiquitin ligase; EC 6.3.2.19; Ubiquitin conjugating system; Ligase Chromosomal Location of Human Ortholog: 19q13.43 Cellular Component: anaphase-promoting complex; cytoplasm Molecular Function: small conjugating protein ligase activity; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; ATP binding; ligase activity Biological Process: anaphase-promoting complex activation; anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; cell division; protein modification process; exit from mitosis
Research Articles on UBE2S	**1.** Study identified APC/C substrates, including the kinase Nek2A, that require Ube2S for degradation. The reconstitution of Nek2A-ubiquitylation revealed that Ube2S does not simply extend a conjugate but instead branches multiple K11-linked chains off the assemblies produced by Ube2C.
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