

UBE2S Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20071b

Specification

UBE2S Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q16763
Other Accession	B5DFI8 , Q921J4 , Q1RML1 , A1L3K1 , NP_055316.2
Reactivity	Human
Predicted	Xenopus, Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23845
Antigen Region	183-210

UBE2S Antibody (C-term) - Additional Information

Gene ID 27338

Other Names

Ubiquitin-conjugating enzyme E2 S, E2-EPF, Ubiquitin carrier protein S, Ubiquitin-conjugating enzyme E2-24 kDa, Ubiquitin-conjugating enzyme E2-EPF5, Ubiquitin-protein ligase S, UBE2S, E2EPF

Target/Specificity

This UBE2S antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-210 amino acids from the C-terminal region of human UBE2S.

Dilution

WB~~1:1000

IHC-P~~1:100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UBE2S Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2S Antibody (C-term) - Protein Information

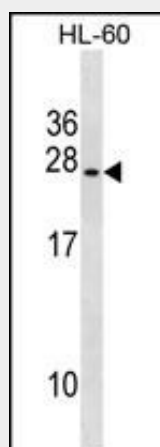
Name UBE2S**Synonyms** E2EPF

Function Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:[19820702](#), PubMed:[19822757](#), PubMed:[22496338](#), PubMed:[27259151](#)). 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 (PubMed:[19820702](#), PubMed:[19822757](#), PubMed:[27259151](#), PubMed:[27910872](#)). 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 (PubMed:[19820702](#), PubMed:[19822757](#), PubMed:[27259151](#)). Also acts by elongating ubiquitin chains initiated by the E2 enzyme UBE2D1/UBCH5 in vitro; it is however unclear whether UBE2D1/UBCH5 acts as an E2 enzyme for the APC/C in vivo. Also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A (PubMed:[16819549](#)). In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, except 'Lys-48'-linked polyubiquitination (PubMed:[20061386](#), PubMed:[20622874](#)).

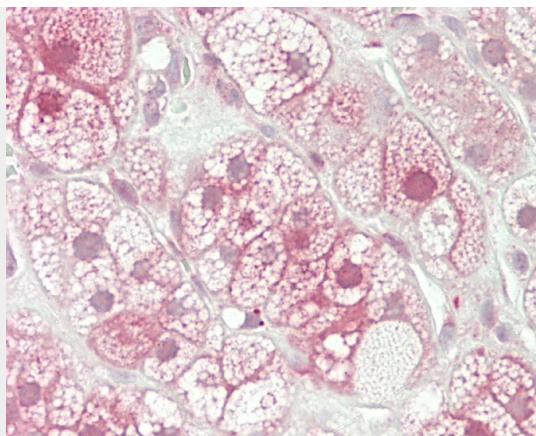
UBE2S Antibody (C-term) - Protocols

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](#)

UBE2S Antibody (C-term) - Images

UBE2S Antibody (C-term) (Cat. #AP20071b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the UBE2S antibody detected the UBE2S protein (arrow).



Formalin-fixed and paraffin-embedded H.adrenal tissue reacted with UBE2S Antibody (C-term) (Cat#AP20071b).

UBE2S Antibody (C-term) - Background

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.

UBE2S Antibody (C-term) - References

Wu, T., et al. Proc. Natl. Acad. Sci. U.S.A. 107(4):1355-1360(2010)
Garnett, M.J., et al. Nat. Cell Biol. 11(11):1363-1369(2009)
Williamson, A., et al. Proc. Natl. Acad. Sci. U.S.A. 106(43):18213-18218(2009)
Chen, M.F., et al. J. Mol. Med. 87(3):307-320(2009)
Lim, J.H., et al. J. Cell. Biochem. 105(4):1117-1127(2008)