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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

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

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Name UBE2S

Synonyms E2EPF

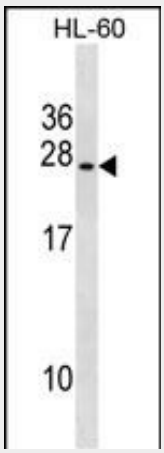
Function Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:22496338). Catalyzes 'Lys-11'-linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls 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 (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 Cytomety
- 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).

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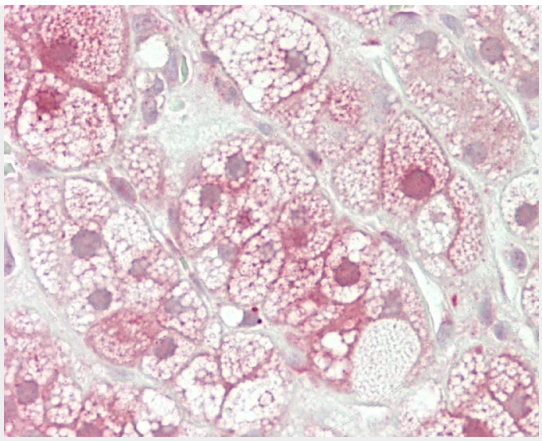

Formalin-fixed and paraffin-embedded H.adrenal tissue tissue reacted with UBE2S Antibody (C-term) (Cat#AP20071b).

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)
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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)