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E2EPF Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2120b

Specification

E2EPF Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q16763
Other Accession	Q1RML1, Q76EZ2, Q8AVU2
Reactivity	**Human**
Predicted	**Xenopus, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23845**
Antigen Region	**192-222**

E2EPF 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 E2EPF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-222 amino acids from the C-terminal region of human E2EPF.

Dilution
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
E2EPF Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

E2EPF Antibody (C-term) - Protein Information

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Name UBE2S

Synonyms E2EPF

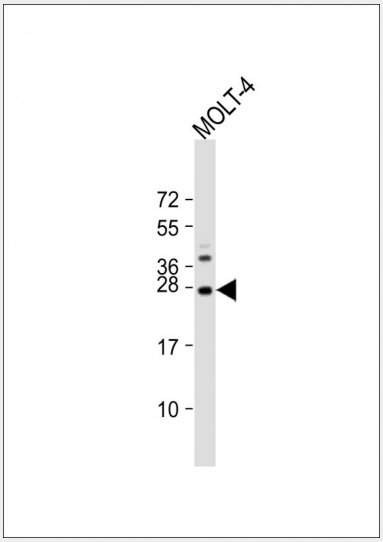
Function Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:19820702, PubMed:19822757, PubMed:22496338, PubMed:27259151). Catalyzes 'Lys-11'- linked polyubiquitination. Acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), 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).

E2EPF 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

E2EPF Antibody (C-term) - Images



Anti-E2EPF Antibody (C-term) at 1:1000 dilution + MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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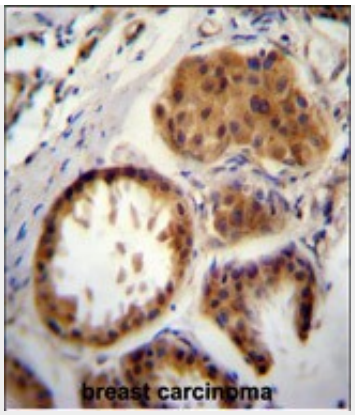

E2EPF Antibody (C-term) (Cat. #AP2120b)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of E2EPF Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

E2EPF 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.

E2EPF Antibody (C-term) - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).
Liu, Z., et al., J. Biol. Chem. 267(22):15829-15835 (1992).