

E2-EPF / UBE2S Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2302a**Specification**

E2-EPF / UBE2S Antibody (N-Term) - Product Information

Application	E
Primary Accession	Q16763
Other Accession	NP_055316.2 , 27338 , 77891 (mouse)
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	23845

E2-EPF / UBE2S Antibody (N-Term) - Additional Information**Gene ID** 27338**Other Names**

Ubiquitin-conjugating enzyme E2 S, 6.3.2.19, E2-EPF, Ubiquitin carrier protein S, Ubiquitin-conjugating enzyme E2-24 kDa, Ubiquitin-conjugating enzyme E2-EPF5, Ubiquitin-protein ligase S, UBE2S, E2EPF

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

E2-EPF / UBE2S Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

E2-EPF / UBE2S Antibody (N-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).

E2-EPF / UBE2S Antibody (N-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](#)

E2-EPF / UBE2S Antibody (N-Term) - Images

E2-EPF / UBE2S Antibody (N-Term) - References

cDNA cloning of a novel human ubiquitin carrier protein. An antigenic domain specifically recognized by endemic pemphigus foliaceus autoantibodies is encoded in a secondary reading frame of this human epidermal transcript. Liu Z, Diaz LA, Haas AL, Giudice GJ. J Biol Chem. 1992 Aug 5;267(22):15829-35. PMID: 1379239