SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-E2EPF antibody

Catalog Number: SL2305R

FOR RESEARCH USE ONLY

[DATASHEET]

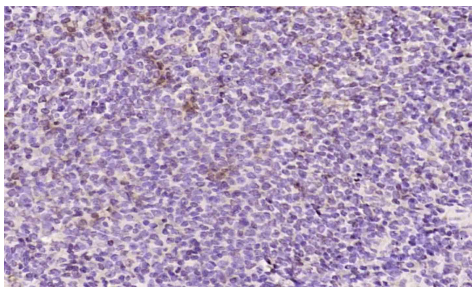
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	E2EPF
Immunogen:	KLH conjugated synthetic peptide derived from human E2EPF: LL(p-T)EI
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	24kDa
Subcellular Location:	The nucleus cytoplasmic
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. [provided by RefSeq, Jul 2008] **Function:** 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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

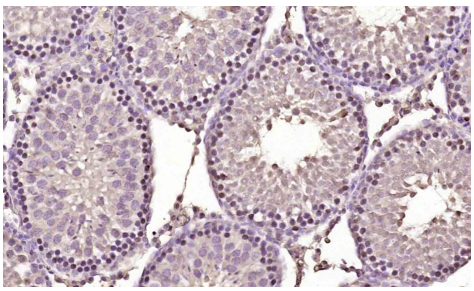
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	UBE2D1/UBCH5 in vitro; it is however unclear whether UBE2D1/UBCH5 acts as a E2 enzyme for the APC/C in vivo. Also involved in ubiquitination and subsequent degradation of VHL, resulting in an accumulation of HIF1A. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, except 'Lys-48'-linked polyubiquitination. **Subunit:** Component of the APC/C complex. Interacts with CDC20, FZR1/CDH1 and VHL. **Post-translational modifications:** Autoubiquitinated by the APC/C complex during G1, leading to its degradation by the proteasome. **Similarity:** Belongs to the ubiquitin-conjugating enzyme family. **Database links:** **Entrez Gene:** 617703 Cow **Entrez Gene:** 27338 Human **Entrez Gene:** 77891 Mouse **Entrez Gene:** 292588 Rat GenBank: NP_055316.2 Human Omim: 610309 Human **SwissProt:** Q1RML1 Cow **SwissProt:** Q16763 Human **SwissProt:** Q921J4 Mouse **SwissProt:** B5DFI8 Rat **Unigene:** 396393 Human **Unigene:** 389787 Mouse **Unigene:** 120398 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (E2EPF) Polyclonal Antibody, Unconjugated (SL2305R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (E2EPF) Polyclonal Antibody, Unconjugated (SL2305R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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