SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ACF1 antibody

Catalog Number: SL6476R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ACF1
Immunogen:	KLH conjugated synthetic peptide derived from human ATP utilizing chromatin assembly and remodeling factor 1: 1401-1556/1556
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,Rabbit)
Predicted MW.:	171kDa
Subcellular Location:	The nucleus
Background:	Component of the ACF complex, an ATP-dependent chromatin remodeling complex, that regulates spacing of nucleosomes using ATP to generate evenly spaced nucleosomes along the chromatin. The ATPase activity of the complex is regulated by the length of flanking DNA. Also involved in facilitating the DNA replication process. BAZ1A is the accessory, non-catalytic subunit of the complex which can enhance and direct the process provided by the ATPase subunit, SMARCA5, probably through targeting pericentromeric heterochromatin in late S phase. Moves end-positioned nucleosomes to a predominantly central position. May have a role in nuclear receptor-mediated transcription repression. Component of the histone-fold protein complex CHRAC complex which faciliates nucleosome sliding by the ACF complex and enhances ACF-

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	mediated chromatin assembly. The C-terminal regions of both CHRAC1 and POLE1 are required for these functions. **Function:** Component of the ACF complex, an ATP-dependent chromatin remodeling complex, that regulates spacing of nucleosomes using ATP to generate evenly spaced nucleosomes along the chromatin. The ATPase activity of the complex is regulated by the length of flanking DNA. Also involved in facilitating the DNA replication process. BAZ1A is the accessory, non-catalytic subunit of the complex which can enhance and direct the process provided by the ATPase subunit, SMARCA5, probably through targeting pericentromeric heterochromatin in late S phase. Moves end-positioned nucleosomes to a predominantly central position. May have a role in nuclear receptor-mediated transcription repression. **Subunit:** Component of the ACF chromatin remodeling complex that includes BAZ1A and SMARCA5. Additional this complex can form, together with CHRAC1 and POLE1, the histone-fold protein complex, CHRAC. Interacts with NCOR1 (via its RD1 domain); the interaction corepresses a number of NCOR1-regulated genes. **Subcellular Location:** Nucleus. May target the CHRAC complex to heterochromatin. **Tissue Specificity:** Highly expressed in testis and at low or undetectable levels in other tissues analyzed. **Similarity:** Belongs to the WAL family. Contains 1 bromo domain. Contains 1 DDT domain. Contains 1 PHD-type zinc finger. Contains 1 WAC domain. **Database links:** **Entrez Gene:** 11177 Human Omim: 605680 Human **SwissProt:** Q9NRL2 Human **Unigene:** 509140 Human

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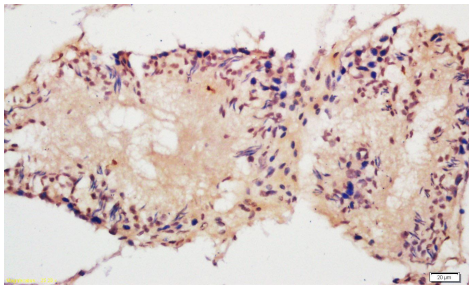
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[VALIDATION IMAGES]



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-ACF1 Polyclonal Antibody, Unconjugated(SL6476R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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