SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-EID3 antibody

Catalog Number: SL6378R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	EID3
Immunogen:	KLH conjugated synthetic peptide derived from human EID3: 65-160/333
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:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Sheep)
Predicted MW.:	38kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	Act as a repressor of nuclear receptor-dependent transcription possibly by interfering with CREBBP-dependent coactivation. May function as a coinhibitor of other CREBBP/EP300-dependent transcription factors.Tissue specificity: Highly expressed in testis. **Function:** Tissue-specific component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination and mediates sumoylation of shelterin complex (telosome) components.

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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	Acts as a repressor of nuclear receptor-dependent transcription possibly by interfering with CREBBP-dependent coactivation. May function as a coinhibitor of other CREBBP/EP300-dependent transcription factors. **Subunit:** Component of the SMC5-SMC6 complex which consists at least of SMC5, SMC6, NSMCE2, NSMCE1, NSMCE4A or EID3 and NDNL2; EID3 seems to be a testis-specific subunit. NSMCE1, NSMCE4A or EID3 and NDNL2 probably form a subcomplex that bridges the head domains of the SMC5:SMC6 heterodimer. Homodimer, and heterodimer with EID2 (By similarity). Interacts with the C-terminal region of CREBBP. **Subcellular Location:** Nucleus. Cytoplasm. Chromosome, telomere (Probable). Note=May shuttle between nucleus and cytoplasm. **Tissue Specificity:** Highly expressed in testis. **Similarity:** Belongs to the NSE4 family. **Database links:** **Entrez Gene:** 493861 Human **Entrez Gene:** 66341 Mouse **Entrez Gene:** 691688 Rat Omim: 612986 Human **SwissProt:** Q8N140 Human **SwissProt:** Q3V124 Mouse **SwissProt:** Q4V8G2 Rat **Unigene:** 659857 Human **Unigene:** 443284 Mouse **Unigene:** 206488 Rat

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