



## Rabbit Anti-EID3 antibody

SL6378R

<b>Product Name:</b>	EID3
<b>Chinese Name:</b>	E1A样分化抑制因子3抗体
<b>Alias:</b>	E1A-like inhibitor of differentiation 3; EID 3; EID-1-like inhibitor of differentiation 3; EID-3; EID3; EID3_HUMAN; EP300 interacting inhibitor of differentiation 3; EP300-interacting inhibitor of differentiation 3; Non-SMC element 4, S. cerevisiae, homolog of, B; NSE4B; NSMCE4B.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	38kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human EID3:65-160/333
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

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.

**SWISS:**

Q8N140

**Gene ID:**

493861

**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

**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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