



Rabbit Anti-EID1 antibody

SL6138R

Product Name:	EID1
Chinese Name:	乙酰基转移酶EID1抗体
Alias:	21 kDa pRb associated protein; C15orf3; CBP; Chromosome 15 open reading frame 3; CREBBP/EP300 inhibitor 1; CREBBP/EP300 inhibitory protein 1; CRI 1; CRI1; E1A like inhibitor of differentiation; EID 1; EP300 interacting inhibitor of differentiation 1; NB4 apoptosis related protein; PNAS 22; PNAS22 ; PTD014; Rb and p300 binding protein EID 1; Rb and p300 binding protein EID1; RBP21; Retinoblastoma protein associated protein; EID1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	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.
Molecular weight:	21kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EID1:111-187/187
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	EID1 ia an acetyltransferase enzyme. It acetylates histones, giving a specific tag for transcriptional activation. EID1 also acetylates non histone proteins, like NCOA3

coactivator. It Mediates cAMP gene regulation by binding specifically to phosphorylated CREB protein and as coactivator, augments the activity of phosphorylated CREB to activate transcription of cAMP responsive genes.

Function:

Interacts with RB1 and EP300 and acts as a repressor of MYOD1 transactivation. Inhibits EP300 and CBP histone acetyltransferase activity. May be involved in coupling cell cycle exit to the transcriptional activation of genes required for cellular differentiation. May act as a candidate coinhibitory factor for NR0B2 that can be directly linked to transcription inhibitory mechanisms.

Subunit:

Interacts via its LXCXE motif with the entire pocket region of RB1. Interacts with EP300, NR0B2 and TRIM27.

Subcellular Location:

Nucleus. Cytoplasm. Note=May shuttle between nucleus and cytoplasm.

Tissue Specificity:

Widely expressed. Most abundantly expressed in heart, skeletal muscle, pancreas, brain and testis. Expressed at much lower levels in placenta and peripheral blood leukocyte. Barely detectable in lung. Also weakly expressed in lung carcinoma A-549 and various leukemia cell lines.

Post-translational modifications:

Ubiquitinated in U2OS osteosarcoma cells and is rapidly degraded by proteasome as cells exit the cell cycle exit.

SWISS:

Q9Y6B2

Gene ID:

23741

Database links:

[Entrez Gene: 23741](#)Human

[Entrez Gene: 58521](#)Mouse

[Entrez Gene: 499882](#)Rat

[Omim: 605894](#)Human

[SwissProt: Q9Y6B2](#)Human

[SwissProt: Q9DCR4](#)Mouse

[Unigene: 255973](#)Human

[Unigene: 425101](#)Mouse

[Unigene: 472964](#)Mouse

[Unigene: 22737](#)Rat

Important Note:

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

www.sunlongbiotech.com