
Product Name: EID-1 Rabbit Polyclonal Antibody**Catalog #: APRab10358**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	21kDa

Antigen Information

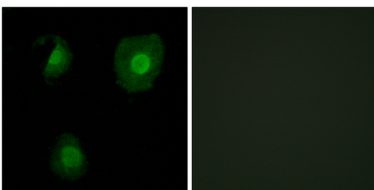
Gene Name	EID1 EID1; C15orf3; CRI1; RBP21; PNAS-22; PTD014; EP300-interacting inhibitor of differentiation
Alternative Names	1; 21 kDa pRb-associated protein; CREBBP/EP300 inhibitory protein 1; E1A-like inhibitor of differentiation 1; EID-1
Gene ID	23741.0
SwissProt ID	Q9Y6B2
Immunogen	The antiserum was produced against synthesized peptide derived from human EID1. AA range:71-120

Background

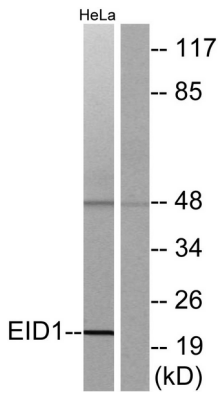
developmental stage: Expression decreased with development in ventricular tissue while remaining highly expressed in adult atrial tissue. In primary cultures of human skeletal myocytes, expression decreased during myogenic differentiation (at protein level), function: Interacts with RB1 and EP300 and 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, induction: Down-regulated in differentiating U937 leukemia cells, miscellaneous: Inhibition of MYOD1 may be partly due to the ability of EID1 to bind and inhibit EP300 histone acetyltransferase activity, PTM: Ubiquitinated in U-2OS osteosarcoma cells and is rapidly degraded by proteasome as cells exit the cell cycle exit, subcellular location: May shuttle between nucleus and cytoplasm, subunit: Interacts via its LXCXE motif with the entire pocket region of RB1. Interacts with EP300, NR0B2 and TRIM27, 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 A549 and various leukemia cell lines, developmental stage: Expression decreased with development in ventricular tissue while remaining highly expressed in adult atrial tissue. In primary cultures of human skeletal myocytes, expression decreased during myogenic differentiation (at protein level), 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, induction: Down-regulated in differentiating U937 leukemia cells, miscellaneous: Inhibition of MYOD1 may be partly due to the ability of EID1 to bind and inhibit EP300 histone acetyltransferase activity, PTM: Ubiquitinated in U-2OS osteosarcoma cells and is rapidly degraded by proteasome as cells exit the cell cycle exit, subcellular location: May shuttle between nucleus and cytoplasm, subunit: Interacts via its LXCXE motif with the entire pocket region of RB1. Interacts with EP300, NR0B2 and TRIM27, 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 A549 and various leukemia cell lines,

Research Area

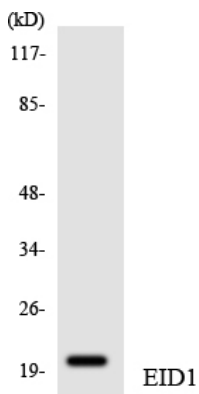
Image Data



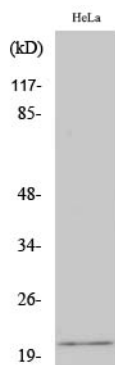
Immunofluorescence analysis of A549 cells, using EID1 Antibody. The picture on the right is blocked with the synthesized peptide.



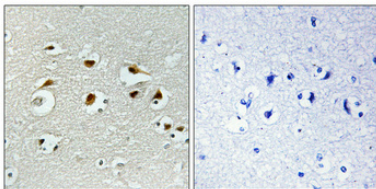
Western blot analysis of lysates from HeLa cells, using EID1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using EID1 antibody.



Western Blot analysis of various cells using EID-1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.