



p300 Antibody

E20-75692

Catalog No:E20-75692

Applications:WB,IHC-p,ELISA

Reactivity:Human,Mouse,Rat

Gene Name:EP300

Protein Name:Histone acetyltransferase p300

Human Gene Id:2033

Human Swiss Prot No:Q09472

Mouse Swiss Prot No:B2RWS6

Immunogen:Synthesized peptide derived from the Internal region of human p300.

Specificity:p300 Polyclonal Antibody detects endogenous levels of p300 protein.

Formulation:Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source:Rabbit

Dilution:IF: 1:50-200 Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000.

Not yet tested in other applications.

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Names:EP300; P300; Histone acetyltransferase p300; p300 HAT; E1A-associated protein p300

Molecular Weight (Da):264161

Observed Band (KD):300

Background:E1A binding protein p300(EP300) Homo sapiens This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein.

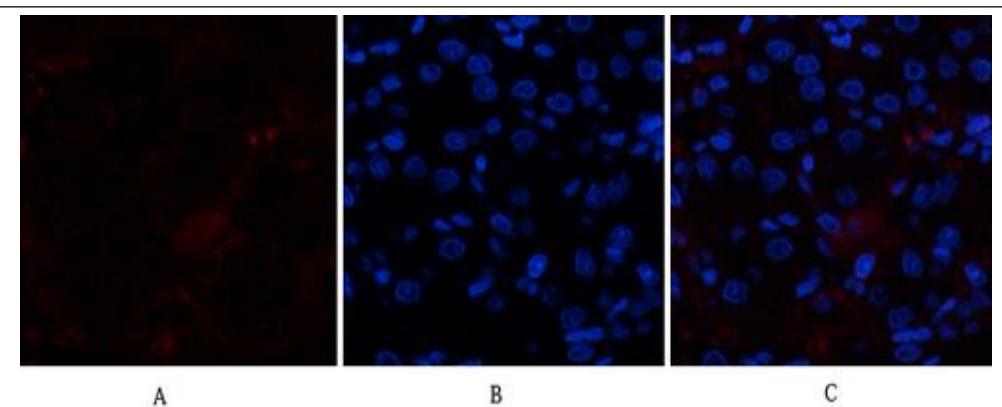
Function:catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone.,disease:Chromosomal aberrations involving EP300 may be a cause of acute myeloid leukemias.

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Translocation t(8;22)(p11;q13) with MYST3.,disease:Defects in EP300 are a cause of Rubinstein-Taybi syndrome (RSTS) [MIM:180849].

Subcellular Location:histone acetyltransferase complex, nucleus, nucleoplasm, transcription factor complex, cytoplasm.

Expression:Epithelium, Skin.

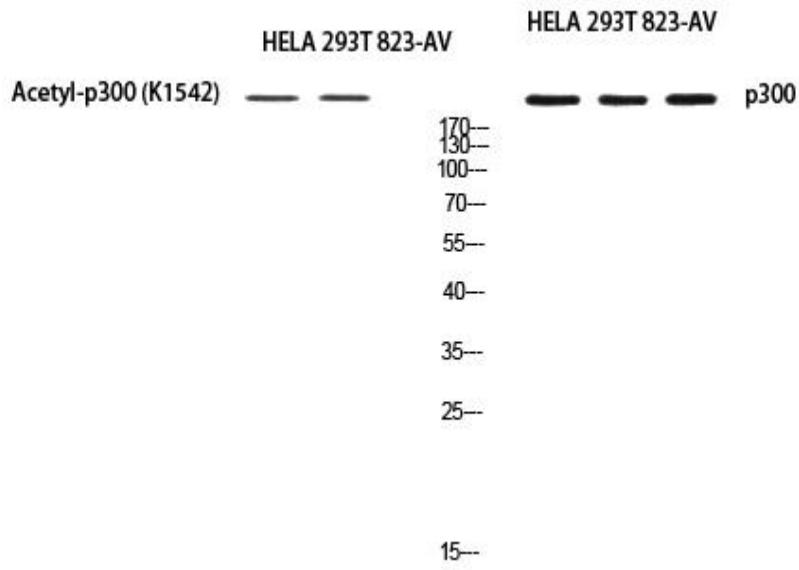


A

B

C

Immunofluorescence analysis of rat-kidney tissue. p300 Polyclonal Antibody (red) was diluted at 1:200(4°C, overnight). Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Western blot analysis of HELA, 293T, 823-AV using P300 antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000.