EP300 Rabbit Polyclonal Antibody



CAB13016

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

264KDa

Calculated MW:

264kDa

Applications:

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

Protein Background

This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. It functions as histone acetyltransferase that regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. It mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. This gene has also been identified as a co-activator of HIF1A (hypoxia-inducible factor 1 alpha), and thus plays a role in the stimulation of hypoxia-induced genes such as VEGF. Defects in this gene are a cause of Rubinstein-Taybi syndrome and may also play a role in epithelial cancer.

Immunogen information

Gene ID:

2033

Uniprot

Q09472

Synonyms:

EP300; KAT3B; RSTS2; p300

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200

Source: Rabbit

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human EP300 (NP_001420.2).

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

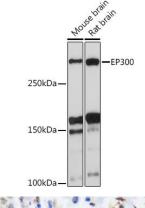
sodium azide, 50% glycerol, pH7.3.

Isotype: IgG

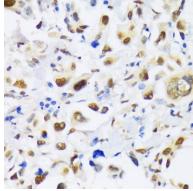
Purification:

Affinity purification

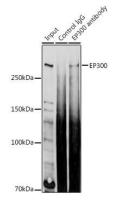
Product Images



Western blot analysis of extracts of various cell lines, using EP300 Rabbit pAb (CAB13016) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.



Immunohistochemistry of paraffin-embedded human lung cancer using EP300 antibody (CAB13016) at dilution of 1:100 (40x lens).



Immunoprecipitation analysis of 600ug extracts of Mouse brain cells using 3ug EP300 antibody (CAB13016). Western blot was performed from the immunoprecipitate using EP300 antibody (CAB13016) at a dilition of 1:500.