

# EP300 Rabbit pAb

Catalog No.: A13016 **6 Publications**

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

264kDa

### Category

Primary antibody

### Applications

IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

2033

### Swiss Prot

Q09472

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

p300; KAT3B; MKHK2; RSTS2; EP300

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

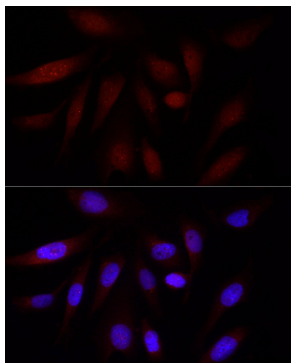
### Purification

Affinity purification

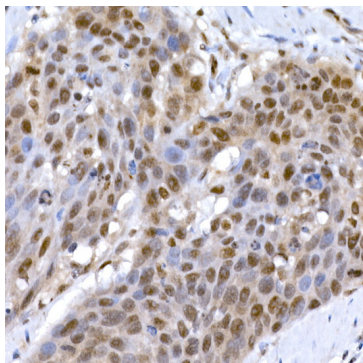
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

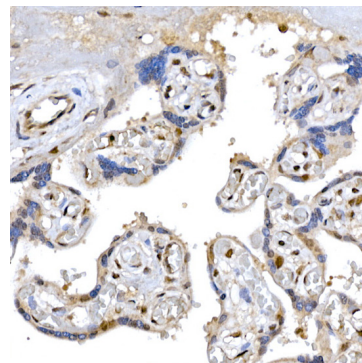
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.



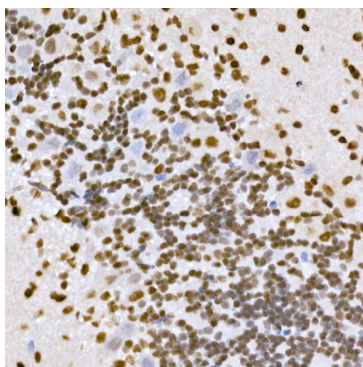
Immunofluorescence analysis of U2OS cells using EP300 Rabbit pAb (A13016) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



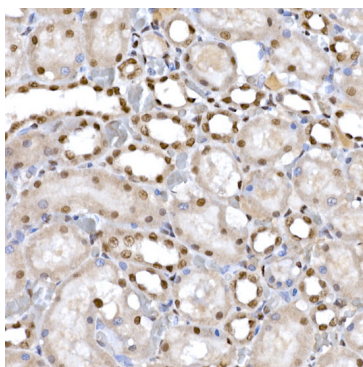
Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using EP300 Rabbit pAb (A13016) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using EP300 Rabbit pAb (A13016) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using EP300 Rabbit pAb (A13016) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using EP300 Rabbit pAb (A13016) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.