

## EP300 Monoclonal Antibody

<b>Catalog No</b>	A1324	<b>Category</b>	Monoclonal Antibodies
<b>Applications</b>	WB	<b>Observed MW</b>	17kDa/34kDa
<b>Cross-Reactivity</b>	Human	<b>Calculated MW</b>	264kDa

### Immunogen Information

<b>Immunogen</b>	Recombinant Protein of human EP300
<b>Gene ID</b>	2033
<b>Swiss Prot</b>	Q09472
<b>Synonyms</b>	KAT3B,p300,RSTS2

### Product information

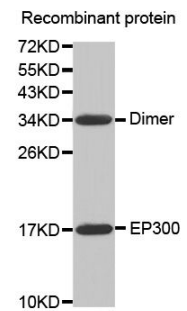
<b>Source</b>	Mouse
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### 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

WB 1:500 - 1:2000



Western blot analysis of extracts of Recombinant protein, using EP300 antibody (A1324).

Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.