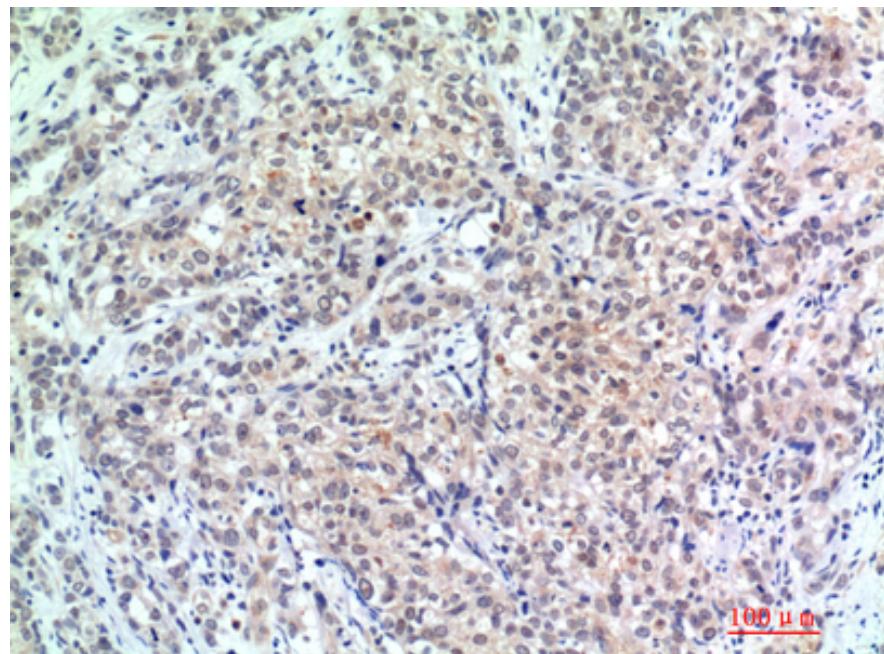


Swiss-Prot No.:	Q09472
Alternate:	EP300; P300; Histone acetyltransferase p300; p300 HAT; E1A-associated protein p300
Immunogen:	Synthesized peptide derived from the Internal region of human p300.
Purification:	Affinity Purified
Reactivity:	Human,Mouse,Rat
Other Names:	EP300;P300;Histone acetyltransferase p300;p300 HAT;E1A-associated protein p300
Cellular localization:	Chromosome, Cytoplasm, Nucleus
Source:	Rabbit
Antibody type:	Polyclonal Antibody
Isotype:	IgG
Molecular Weight:	Calculated MW: 264 kDa; Observed MW: 300 kDa
Recommended Dilutions:	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000
Product Type:	Primary Antibody

Applications:	ICC/IF, WB, IHC-F, IHC-P, ELISA
Background:	EP300: E1A binding protein p300. 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.
Clone Number:	-
Gene Name:	EP300
Gene ID:	2033
Storage/Stability:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Form of Antibody:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
	<div style="text-align: center;"> <p>Acetyl-p300 (K1542) HELA 293T 823-AV</p> <p>HELA 293T 823-AV</p> <p>170— 130— 100— 70— 55— 40— 35— 25— 15—</p> <p>p300</p> </div>

Western blot analysis of p300 in HELA, 293T, 823AV lysates using p300 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breastcancer using p300 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.