

Anti-EP300 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Horse, Sheep)
Molecular Weight:	Theoretical: 264 kDa. Actual: 264 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Hela (Human) Cell Lysate at 30 µg

Primary: Anti-Ep300 (TMAB-00620) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 264 kDa

Observed band size: 264 kDa

2. Blank control: Mouse spleen.

Primary Antibody (green line): Rabbit Anti-Ep300 antibody (TMAB-00620)

Dilution: 2 µg/10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 1 µg/test.

Protocol

The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Verified Activity:

3. Sample:

Lane 1: Hela (Human) Cell Lysate at 30 µg

Lane 2: HepG2 (Human) Cell Lysate at 30 µg

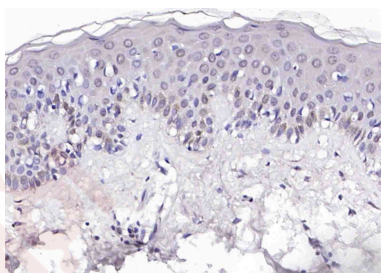
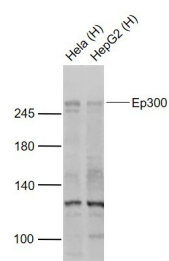
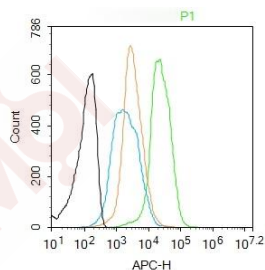
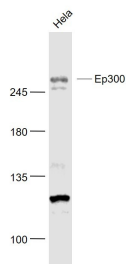
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4. Paraformaldehyde-fixed, paraffin embedded (human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (EP300) Polyclonal Antibody, Unconjugated (TMAB-00620) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human EP300

Antigen Species: Human

Gene ID: 2033

Uniprot ID: Q09472

Synonyms: P300;Protein propionyltransferase p300;Protein 2-hydroxyisobutyryltransferase p300;p300 HAT;Histone butyryltransferase p300;Histone acetyltransferase p300;Histone crotonyltransferase p300;Protein lactyltransferas p300;E1A-associated protein p300;Ep300

Biology Area: Response to hypoxia,Rb family,Bromodomains,ChIP antibodies,Acetylation,Other factors, Hypoxia,Obesity,Nuclear

Research 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. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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