
EP300 Rabbit pAb

Catalog Number: bs-6954R

Target Protein: EP300

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (2ug/Test)

Reactivity: Human, Mouse (predicted:Rat, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 264 kDa

Entrez Gene: 2033

Swiss Prot: Q09472

Source: KLH conjugated synthetic peptide derived from human EP300: 1451-1600/2414.

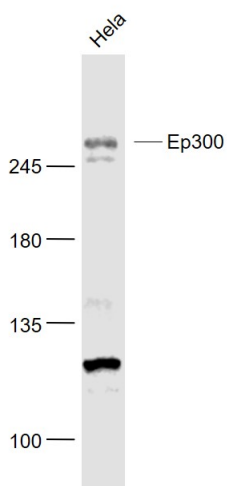
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

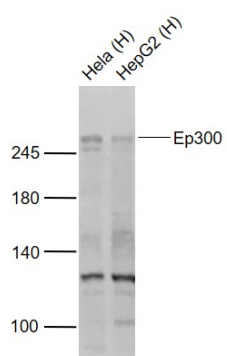
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

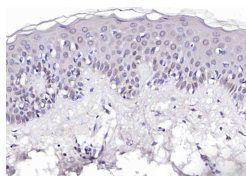
VALIDATION IMAGES



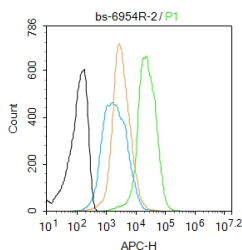
Sample: HeLa(Human) Cell Lysate at 30 ug Primary: Anti- Ep300 (bs-6954R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 264 kD Observed band size: 264 kD



Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug Lane 2: HepG2 (Human) Cell Lysate at 30 ug Primary: Anti- Ep300 (bs-6954R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 264 kD Observed band size: 264 kD



Paraformaldehyde-fixed, paraffin embedded (human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EP300) Polyclonal Antibody, Unconjugated (bs-6954R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-Ep300 antibody (bs-6954R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min 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. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.081] Abu Jubayer Hossain. et al. Pyruvate Dehydrogenase A1 Phosphorylated by Insulin Associates with Pyruvate Kinase M2 and Induces LINC00273 through Histone Acetylation. BIOMEDICINES. 2022 Jun;10(6):1256 WB ; Human . 10.3390/biomedicines10061256

[IF=6.3] Wei Yaozong. et al. The walnut-derived peptide TW-7 improves mouse parthenogenetic embryo development of vitrified MII oocytes potentially by promoting histone lactylation. J ANIM SCI BIOTECHNO. 2024 Dec;15(1):1-18 IF ; Mouse . 38858724

[IF=4.865] Chen, Lili. et al. Sirtuin1 (SIRT1) is involved in the anticancer effect of black raspberry anthocyanins in colorectal cancer. EUR J NUTR. 2022 Sep;;1-12 WB ; Human, Mouse . 36056948

[IF=3.757] Jun Li. et al. In silico studies reveal the anti-osteosarcoma targets and action mechanisms of resveratrol. PROCESS BIOCHEM. Process Biochem. 2022 Jun;117:191 IF ; Human . 10.1016/j.procbio.2022.04.006

[IF=4.4] Ning Gu. et al. Guanxin V alleviates ventricular remodeling by promoting transforming growth factor-beta 1-mediated

proteasomal degradation of Vimentin. POULTRY SCIENCE. 2023 Aug;:103026 IHC ; Hamster . 37633081