

EP300 Rabbit pAb

Catalog No.: A24352

Basic Information

Observed MW

Refer to figures

Calculated MW

264kDa

Category

Primary antibody

Applications

ELISA, IHC-P

Cross-Reactivity

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

Immunogen Information

Gene ID

2033

Swiss Prot

Q09472

Immunogen

Recombinant Protein corresponding to a sequence within amino acids 940-1030 of human EP300(NP_001420.2).

Synonyms

p300; KAT3B; MKHK2; RSTS2; EP300

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

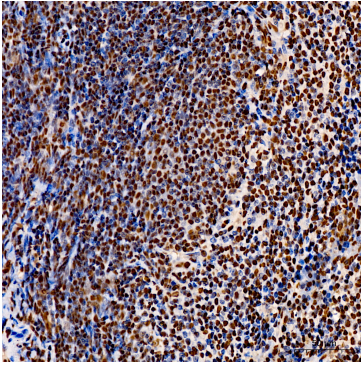
Affinity purification

Storage

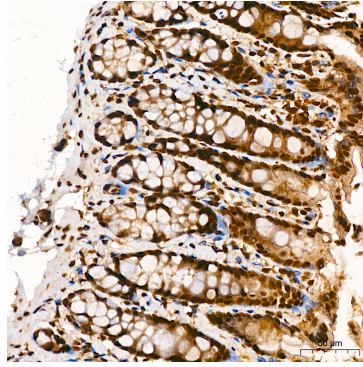
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Immunohistochemistry analysis of EP300 in paraffin-embedded mouse spleen tissue using EP300 Rabbit pAb (A24352) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of EP300 in paraffin-embedded rat colon tissue using EP300 Rabbit pAb (A24352) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.