Product Name: EP300 Mouse Monoclonal Antibody
Catalog #: AMM80680

Summary

Production Name	EP300 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	FC,ELISA
Reactivity	Human, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	EP300
Alternative Names	p300; KAT3B
Gene ID	2033.0
SwissProt ID	Q09472.Purified recombinant fragment of EP300 expressed in E. Coli.

Application

Dilution Ratio	FC:1:200-1:400,ELISA:1:10000
Molecular Weight	/

Background

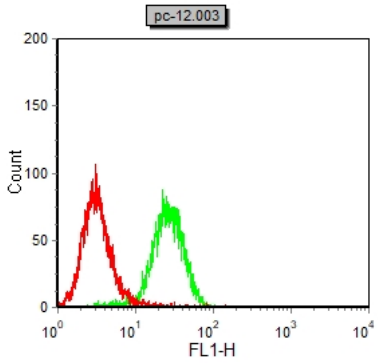
EP300: E1A binding protein p300. This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-

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.

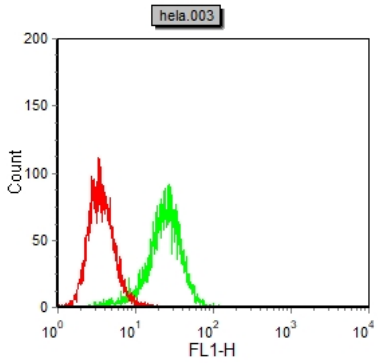
Research Area

TGF-beta signaling pathway

Image Data



Flow cytometric analysis of PC-12 cells using EP300 mouse mAb (green) and negative control (red).



Flow cytometric analysis of Hela cells using EP300 mouse mAb (green) and negative control (red).

Note

For research use only.