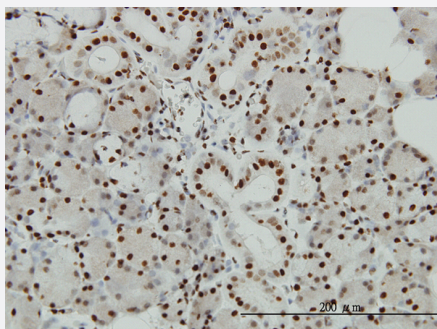


EP300 monoclonal antibody (M01), clone 1B1

Catalog # H00002033-M01

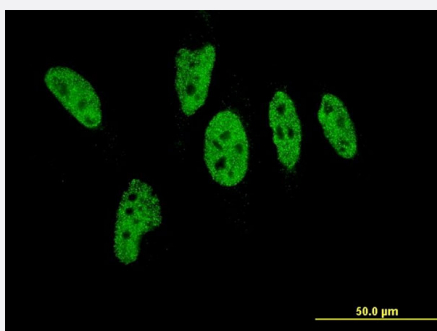
Size 100 ug

Applications



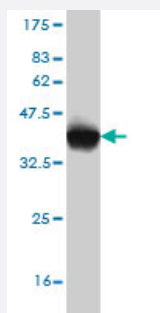
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to EP300 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Immunofluorescence

Immunofluorescence of monoclonal antibody to EP300 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant EP300.

Immunogen	EP300 (NP_001420, 731 a.a. ~ 830 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPLQHHGQLAQPGALNPPMGYGPRMQQPSNQGQFLPQTQFPSQGMNVTNIPLAPSSGQAPVSQAQMSSSSCPVNSPIMPPGSQGSHIHCPQLPQPALHQN
Host	Mouse
Reactivity	Human
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to EP300 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to EP300 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — EP300

Entrez GeneID	2033
GeneBank Accession#	NM_001429
Protein Accession#	NP_001420

Gene Name	EP300
Gene Alias	KAT3B, p300
Gene Description	E1A binding protein p300
Omim ID	114500 180849 602700
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	E1A-associated protein p300 E1A-binding protein, 300kD OTTHUMP00000028668 histone acetyltransferase p300

Publication Reference

- [p300 alters keratinocyte cell growth and differentiation through regulation of p21\(Waf1/CIP1\).](#)

Wong PP, Pickard A, McCance DJ.

PLoS One 2010 Jan; 5(1):e8369.

Application: WB, Human, Human foreskin keratinocytes

Pathway

- [Adherens junction](#)
- [Cell cycle](#)
- [Jak-STAT signaling pathway](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Notch signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

- [Renal cell carcinoma](#)
- [TGF-beta signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Kidney Failure](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Spinal Dysraphism](#)
- [Thyroid Neoplasms](#)