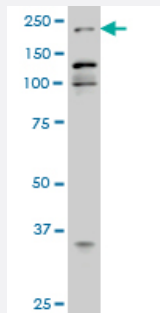


EP300 monoclonal antibody (M02A), clone 1D2

Catalog # H00002033-M02A

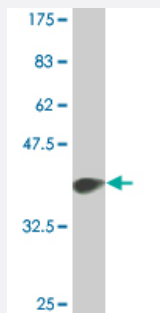
Size 200 uL

Applications



Western Blot (Cell lysate)

EP300 monoclonal antibody (M02A), clone 1D2 Western Blot analysis of EP300 expression in HeLa S3 NE (Cat # L013V3).



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 ascites fluid

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

EP300 monoclonal antibody (M02A), clone 1D2 Western Blot analysis of EP300 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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

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](#)