

Mouse anti-Human p300 Monoclonal Antibody | anti-p300 antibody

p300 antibody (mAb)(Clone NM11)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60020	Mouse	Human	Western Blot, Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation

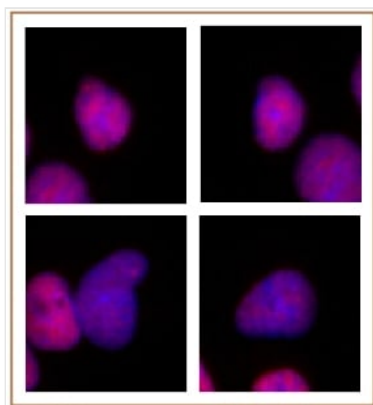
PRODUCT SYNONYMS

p300; Monoclonal Antibody; p300 antibody (mAb)(Clone NM11); EP300; KAT3B; RSTS2; anti-p300 antibody

PRODUCT SPECIFICATIONS

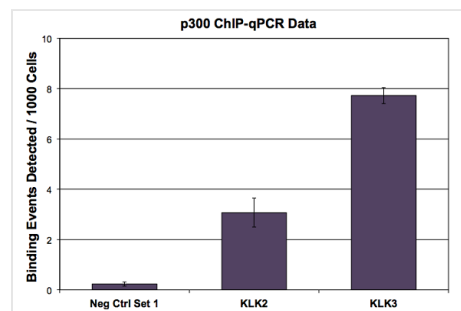
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	NM11
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-p300 antibody	WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation)
Immunogen	The antibody was raised against full-length p300 purified from human 293 cells.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



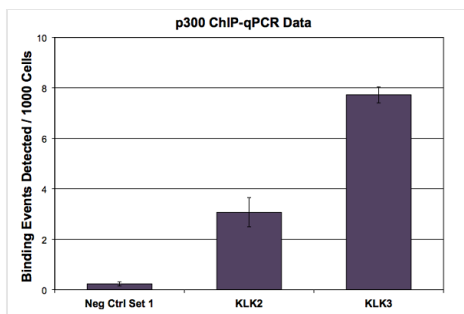
IF (Immunofluorescence)

p300 antibody (mAb) tested by immunofluorescence. Formaldehyde fixed HeLa cells stained with p300 antibody at a 0.5 ug/ml dilution.



ChIP (Chromatin Immunoprecipitation)

p300 antibody (mAb) tested by ChIP. ChIP was performed using the ChIP-IT High Sensitivity Kit with chromatin from 4.5 million LNCaP cells and 4 ug of p300 antibody. ChIP DNA was used in qPCR with the negative control primer pair or gene-specific primer pairs as indicated. Data are presented as Binding Events Detected per 1000 Cells using Epigenetic Services normalization scheme which accounts for primer efficiency and the amount of chromatin used in the ChIP reaction.



ChIP (Chromatin Immunoprecipitation)

p300 antibody (mAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with chromatin from 25 ug LNCaP cel extract and 5 ug of p300 antibody. ChIP DNA was sequenced on the Illumina HiSeq and 6 million sequence tags were mapped to identify p300 binding sites on chromosome 7.

ADDITIONAL INFORMATION

Related Product Information for anti-p300 antibody

Short Description: Our p300 antibody (mAb)(Clone NM11) was raised in a Mouse host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq, Immunocytochemistry, Immunofluorescence, Immunoprecipitation and Western blot; it has been shown to react with Human samples.

Background: p300 (E1A binding protein p300) functions as a histone acetyltransferase and regulates transcription via chromatin remodeling. Acetylates all four core histones in nucleosomes. Histone acetylation gives an epigenetic tag for transcriptional activation. Mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. Also functions as an acetyltransferase for nonhistone targets. Acetylates 'Lys-131' of ALX1 and acts as its coactivator in the presence of CREBBP. Acetylates SIRT2 and is proposed to indirectly increase the transcriptional activity of TP53 through acetylation and subsequent attenuation of SIRT2 deacetylase function. Acetylates HDAC1 leading to its inactivation and modulation of transcription. Can also mediate transcriptional repression. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein.

Product Categories/Family for anti-p300 antibody

[Primary Antibodies](#)

NCBI AND UNIPROT INFORMATION

Molecular Weight

300kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/p300-antibody-clone-nm11-western-blot-immunoprecipitation-immunofluorescence-immunocytochemistry-chromatin-immunoprecipitation-chromatin-immunoprecipitation-elisa/60020>