

Rabbit anti-Human p300 Polyclonal Antibody | anti-p300 antibody

Rabbit anti-p300 Antibody, Affinity Purified

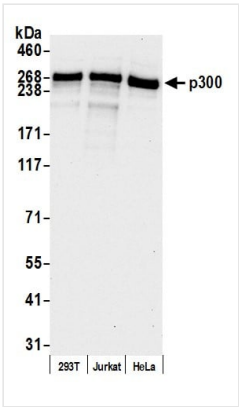
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210903	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

p300; Polyclonal Antibody; Rabbit anti-p300 Antibody; Affinity Purified; RSTS2; p300 HAT; KAT3B; histone crotonyltransferase p300; histone butyryltransferase p300; histone acetyltransferase p300; E1A-binding protein; 300kD; E1A-associated protein p300; protein propionyltransferase p300; Histone acetyltransferase p300; E1A binding protein p300; anti-p300 antibody

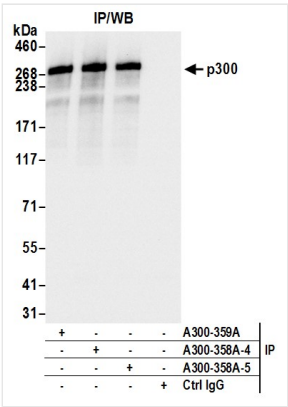
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-p300 antibody	ChIP (Chromatin immunoprecipitation), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 950 and 1000
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



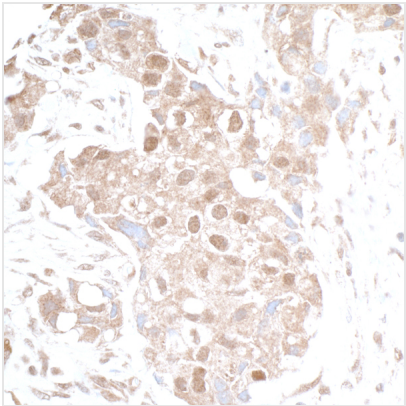
WB (Western Blot)

Detection of human p300 by western blot. Samples: Whole cell lysate (15 ug) from HEK293T, Jurkat, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-p300 antibody AAA210903 (lot AAA210903-5) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human p300 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-p300 antibody AAA210903 (lot AAA210903-5) used for IP at 6 ug per reaction. p300 was also immunoprecipitated by a previous lot of this antibody (lot AAA210903-4) and rabbit anti-p300 antibody For blotting immunoprecipitated p300, AAA210903 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human p300 by immunohistochemistry. Sample: FFPE section of human lung carcinoma. Antibody: Affinity purified rabbit anti-p300 (Cat. No. AAA210903 lot 5) used at 1:1,000 (1ug/ml). Detection: DAB.

ADDITIONAL INFORMATION

Related Product Information for anti-p300 antibody	By sequence similarity p300 is related to CBP (CREB-binding protein) and functions as a histone acetyltransferase that can regulate transcription by influencing chromatin organization. P300 has been demonstrated to bind to phosphorylated CREB to mediate cAMP-gene regulation. P300 has also been identified as a co-activator of HIF1A (hypoxia-inducible factor 1 alpha).
Product Categories/Family for anti-p300 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345997
NCBI GeneID	2033
NCBI Accession #	NP_001420.2
NCBI GenBank Nucleotide #	NM_001429.3
UniProt Accession #	Q09472; B1AKC2

Molecular Weight	264,161 Da
NCBI Official Full Name	histone acetyltransferase p300
NCBI Official Synonym Full Names	E1A binding protein p300
NCBI Official Symbol	EP300
NCBI Official Synonym Symbols	p300; KAT3B; RSTS2
NCBI Protein Information	histone acetyltransferase p300; p300 HAT; E1A-binding protein, 300kD; E1A-associated protein p300
UniProt Protein Name	Histone acetyltransferase p300
UniProt Gene Name	EP300
UniProt Synonym Gene Names	P300; p300 HAT
UniProt Entry Name	EP300_HUMAN

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/polyclonal/p300-antibody-chromatin-immunoprecipitation-immunohistochemistry-immunoprecipitation-western-blot-elisa/210903>