

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

Rabbit anti-p300 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210904	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

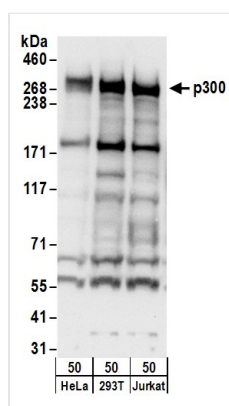
PRODUCT SYNONYMS

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

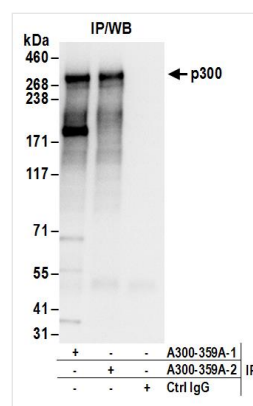
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-p300 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1000 and 1050
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



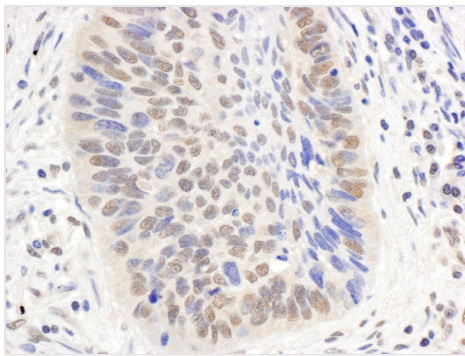
WB (Western Blot)

Detection of human p300 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells. Antibodies: Affinity purified rabbit anti-p300 antibody AAA210904 (lot AAA210904-2) used for WB at 0.1 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 mg for IP; 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-p300 antibody AAA210904 (lot AAA210904-2) used for IP at 6 ug/mg lysate. p300 was also immunoprecipitated by a previous lot (lot AAA210904-1) of this antibody. For blotting immunoprecipitated p300, AAA210904-2 was used at 1 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. AAA210904 Lot2) used at a dilution of 1:5,000 (0.2ug/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.