

Rabbit Phospho-EP300 (S89) Polyclonal Antibody | anti-EP300 antibody

Phospho-EP300 (S89) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285737	Rabbit	Human (Predicted Reactivity: Mouse)	Dot Blot, Immunohistochemistry, ELISA

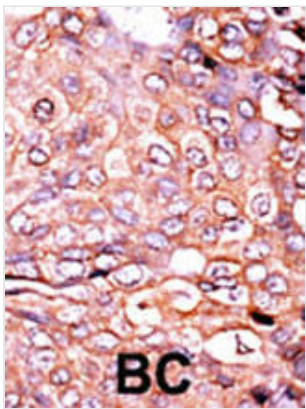
PRODUCT SYNONYMS

Phospho-EP300 (S89); Polyclonal Antibody; Phospho-EP300 (S89) Antibody; Histone acetyltransferase p300; p300 HAT; E1A-associated protein p300; EP300; P300; anti-EP300 antibody

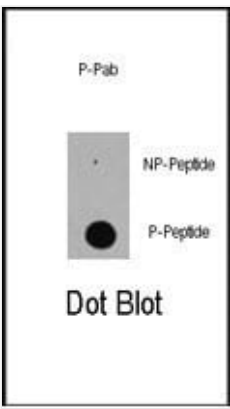
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EP300 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S89 of human EP300.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Length	2414
Applicable Applications for anti-EP300 antibody	DB (Dot Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



DB (Dot Blot)
Dot blot analysis of anti-Phospho-EP300-S89 Pab on nitrocellulose membrane. 50ng of Phospho-peptide (BP3197a) or Non Phospho-peptide per dot were adsorbed. Antibodies working concentration was 0.5ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-EP300 antibody	EP300 encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. p300 is related by sequence to CPB (CREB-binding protein [CREB: cyclic-AMP responsive element binding protein]), and like CPB can stimulate transcription through activation of CREB. This EP300 activity is specifically inhibited by the adenovirus oncoprotein E1A. EP300 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.
Product Categories/Family for anti-EP300 antibody	Cancer; Metabolism; Signal Transduction; Phospho Antibodies
References	Finlan, L., et al., J. Biol. Chem. 279(47):49395-49405 (2004). Dornan, D., et al., Mol. Cell. Biol. 24(22):10083-10098 (2004). Jin, Y.H., et al., J. Biol. Chem. 279(28):29409-29417 (2004). Kung, A.L., et al., Cancer Cell 6(1):33-43 (2004). Chen, J., et al., Cell. Mol. Life Sci. 61(13):1675-1683 (2004).

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	264161
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
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/phospho-ep300-s89-antibody-dot-blot-immunohistochemistry-elisa/285737>