10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-EP300(S89) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3197a

Product Information

Application	WB, IHC-P, DB, E
Primary Accession	Q09472
Other Accession	B2RWS6
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

Additional Information

Other Names	Histone acetyltransferase p300, p300 HAT, E1A-associated protein p300, EP300, P300
Target/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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-EP300(S89) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

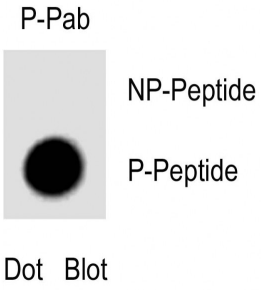
EP300 encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. p300 is related by sequence to CPB (CREB-binding protein [CREB: cyclic-AMP responsive element binding protein]), and like CPB can stimulate transcription through activation of CREB. This EP300 activity is 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.

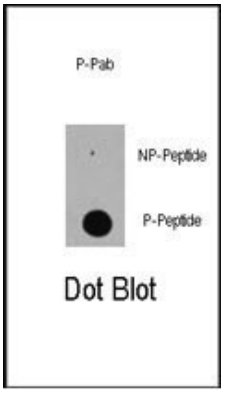
References

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).

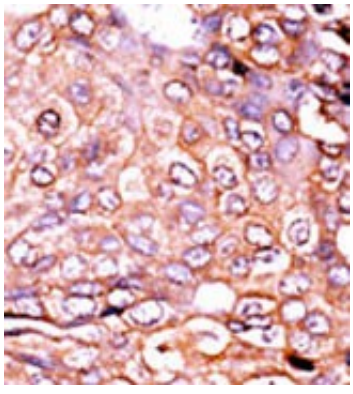
Images



Dot blot analysis of Phospho-EP300(S89) Antibody (Cat. AP3197a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antobodies working concentration was 0. 5ug per ml.



Dot blot analysis of anti-Phospho-EP300-S89 Pab (Cat. #AP3197a) on nitrocellulose membrane. 50ng of Phospho-peptide (BP3197a) or Non Phospho-peptide per dot were adsorbed. Antobodies working concentration was 0.5ug per ml.



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.