

p300 (phospho Ser89) rabbit pAb

Cat No.:ES5121

For research use only

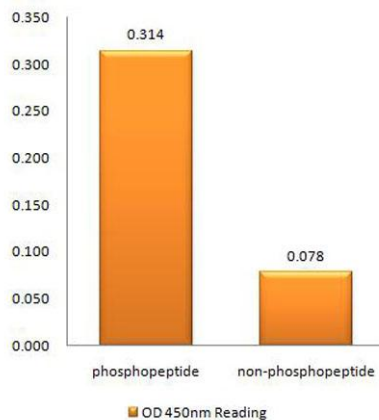
Overview

Product Name	p300 (phospho Ser89) rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human p300 around the phosphorylation site of Ser89. AA range:55-104
Specificity	Phospho-p300 (S89) Polyclonal Antibody detects endogenous levels of p300 protein only when phosphorylated at S89.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone acetyltransferase p300
Gene Name	EP300
Cellular localization	Cytoplasm . Nucleus . Chromosome . Localizes to active chromatin: Colocalizes with histone H3 acetylated and/or crotonylated at 'Lys-18' (H3K18ac and H3K18cr, respectively) (PubMed:25818647). In the presence of ALX1 relocates from the cytoplasm to the n
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	2033
Human Swiss-Prot Number	Q09472
Alternative Names	EP300; P300; Histone acetyltransferase p300; p300 HAT; E1A-associated protein p300

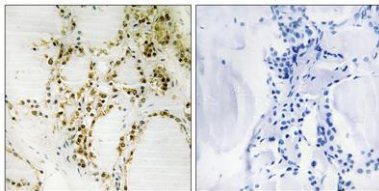


Background

E1A binding protein p300(EP300) Homo sapiens
This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. It functions as histone acetyltransferase that regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. It mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. This gene 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. Defects in this gene are a cause of Rubinstein-Taybi syndrome and may also play a role in epithelial cancer. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using p300 (Phospho-Ser89) Antibody



Immunohistochemistry analysis of paraffin-embedded human thyroid gland, using p300 (Phospho-Ser89) Antibody. The picture on the right is blocked with the phosphopeptide.

