



p300 Polyclonal Antibody

Cat No: HR1AP9485

For research use only

Overview

Product Name	p300 Polyclonal Antibody
Source	Rabbit
Applications	IF,WB,IHC-p,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	300kDa
GenID?Human?	EP300
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	EP300; P300; Histone acetyltransferase p300; p300 HAT; E1A-associated protein p300
Background	E1A binding protein p300(EP300) <i>Homo sapiens</i> 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],