

## p300(Phospho Ser89) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP12632
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human p300 around the phosphorylation site of Ser89. AA range:55-104
<b>Mol wt</b>	264144
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Histone acetyltransferase p300
<b>Synonyms</b>	Histone acetyltransferase p300; EP300; P300; Histone acetyltransferase p300; p300 HAT; E1A-associated protein p300

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

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.

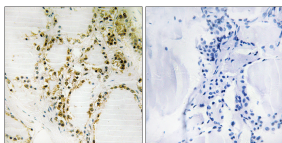
### Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

### Images



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

### Storage

-20°C for 1 year