

p300 (Phospho Ser1834) Rabbit pAb

CatalogNo: YP1582

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 300kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human p300 (Phospho Ser1834)

Specificity This antibody detects endogenous levels of Human p300 (Phospho Ser1834). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): MASMQ

| Target Information

Gene name EP300 P300

Protein Name p300 (Phospho Ser1834)

Organism	Gene ID	UniProt ID
Human	2033 ;	Q09472 ;
Mouse		B2RWS6 ;

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 relocalizes from the cytoplasm to the nucleus. Colocalizes with ROCK2 in the nucleus (PubMed:12929931) .

Function

response to reactive oxygen species, regulation of cell growth, response to hypoxia, somitogenesis, liver development, regionalization, chromatin organization, transcription, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, protein amino acid acetylation, N-terminal protein amino acid acetylation, apoptosis, response to oxidative stress, cell cycle, pattern specification process, heart development, muscle organ development, skeletal muscle tissue development, cell death, regulation of cell size, response to endogenous stimulus, response to hormone stimulus, embryonic development ending in birth or egg hatching, positive regulation of biosynthetic process, anterior/posterior pattern formation, response to organic substance, response to inorganic substance, response to metal ion, positive regulation of macromolecule biosynthetic process, positive regulation of macromolecule metabolic process, positive regulation of gene expression, programmed cell death, striated muscle tissue development, death, chromatin modification, covalent chromatin modification, histone modification, histone acetylation, N-terminal peptidyl-lysine acetylation, peptidyl-lysine modification, peptidyl-lysine acetylation, regulation of proteolysis, positive regulation of cell growth, respiratory tube development, lung development, positive regulation of cellular biosynthetic process, N-terminal protein amino acid modification, response to corticosteroid stimulus, regulation of cellular protein metabolic process, positive regulation of cellular protein metabolic process, regulation of cellular component size, segmentation, tube development, regulation of growth, response to drug, response to hydrogen peroxide, homeostatic process, chordate embryonic development, positive regulation of DNA binding, protein amino acid acylation, positive regulation of molecular function, regulation of transcription, response to ethanol, positive regulation of cell size, positive regulation of proteolysis, positive regulation of transcription, DNA-dependent, positive regulation of growth, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, positive regulation of transcription, positive regulation of transcription from RNA polymerase II promoter, response to steroid hormone stimulus, regulation of transcription factor activity, positive regulation of transcription factor activity, regulation of binding, positive regulation of binding, regulation of DNA binding, positive regulation of nitrogen compound metabolic process, positive regulation of protein metabolic process, regulation of RNA metabolic process, positive regulation of RNA metabolic process, chromosome organization, response to glucocorticoid stimulus, response to calcium ion, muscle tissue development, skeletal muscle organ development, respiratory system development, response to oxygen levels,

| Validation Data

| Contact information

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p300 (Phospho Ser1834) Rabbit pAb

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