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Product Data Sheet

Acetyl-CBP (Lys1535) / p300 (Lys1499) Antibody

Tested Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)
Non-human primate (Nhp)

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunoprecipitation (IP)	1:50
ChIP assay (ChIP)	1:25

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA5-16185
Size:	100 ul
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic acetylated peptide (KLH-coupled) corresponding to residues surrounding Lys1535 of human CBP.

Form Information	
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	no preservative
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information

Anti-Acetyl-CBP (Lys1535)/p300 (Lys1499) Polyclonal Antibody PA5-16185 has been tested and validated in use for Western Blot, Immunoprecipitation, and ChIP applications.

A molecular weight of approximately 300 kDa is expected.

General Information

This gene is ubiquitously expressed and is involved in the transcriptional coactivation of many different transcription factors. First isolated as a nuclear protein that binds to cAMP-response element binding protein (CREB), this gene is now known to play critical roles in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. The protein encoded by this gene has intrinsic histone acetyltransferase activity and also acts as a scaffold to stabilize additional protein interactions with the transcription complex. This protein acetylates both histone and non-histone proteins. This protein shares regions of very high sequence similarity with protein p300 in its bromodomain, cysteine-histidine-rich regions, and histone acetyltransferase domain. Mutations in this gene cause Rubinstein-Taybi syndrome (RTS). Chromosomal translocations involving this gene have been associated with acute myeloid leukemia. Alternative splicing results in multiple transcript variants encoding different isoforms.

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