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Datasheet for ABIN7184493 anti-PTGER3 antibody (N-Term)

3 Images



Overview

Quantity:	100 µL
Target:	PTGER3
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGER3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthesized peptide derived from N-terminal of Human p300.
lsotype:	lgG
Cross-Reactivity:	Human
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	PTGER3
Alternative Name:	EP3 (PTGER3 Products)
Background:	Background: Functions as histone acetyltransferase and regulates transcription via chromatin

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN7184493 | 09/09/2023 | Copyright antibodies-online. All rights reserved. remodeling. Acetylates all four core histones in nucleosomes. Histone acetylation gives an epigenetic tag for transcriptional activation. Mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. Mediates acetylation of histone H3 at 'Lys-122' (H3K122ac), a modification that localizes at the surface of the histone octamer and stimulates transcription, possibly by promoting nucleosome instability. Mediates acetylation of histone H3 at 'Lys-27' (H3K27ac). Also functions as acetyltransferase for nonhistone targets. Acetylates 'Lys-131' of ALX1 and acts as its coactivator in the presence of CREBBP. Acetylates SIRT2 and is proposed to indirectly increase the transcriptional activity of TP53 through acetylation and subsequent attenuation of SIRT2 deacetylase function. Acetylates HDAC1 leading to its inactivation and modulation of transcription. Acts as a TFAP2A-mediated transcriptional coactivator in presence of CITED2. Plays a role as a coactivator of NEUROD1-dependent transcription of the secretin and p21 genes and controls terminal differentiation of cells in the intestinal epithelium. Promotes cardiac myocyte enlargement. Can also mediate transcriptional repression. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. In case of HIV-1 infection, it is recruited by the viral protein Tat. Regulates Tat's transactivating activity and may help inducing chromatin remodeling of proviral genes. Acetylates FOXO1 and enhances its transcriptional activity. Acetylates BCL6 wich disrupts its ability to recruit histone deacetylases and hinders its transcriptional repressor activity. Participates in CLOCK or NPAS2-regulated rhythmic gene transcription, exhibits a circadian association with CLOCK or NPAS2, correlating with increase in PER1/2 mRNA and histone H3 acetylation on the PER1/2 promoter.

Wuchao Yuan, J. Biol. Chem., Apr 1996, 271: 9009.
E. Tory Manning, Mol. Cell. Biol., Jun 2001, 21: 3876 - 3887.
Jiwen Li, Mol. Cell. Biol., Mar 2000, 20: 2031 - 2042.
Gopalswamy Jayaraman, J. Biol. Chem., Jun 1999, 274: 17342.
Aliases: E1A associated protein p300 antibody, E1A binding protein p300 antibody, E1A-associated protein p300 antibody, EP300. E1A binding protein p300 antibody, EP300. HUMAN antibody, Histone acetyltransferase p300 antibody, KAT3B antibody, p300 HAT antibody, RSTS2 antibody

UniProt:

Q09472

Application Details

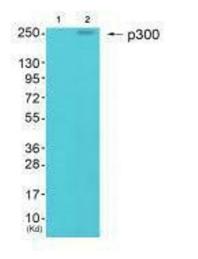
Application Notes:	WB:1:500-1:3000, IHC:1:50-1:100,
Restrictions:	For Research Use only

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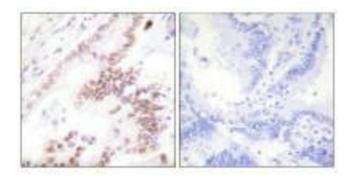
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



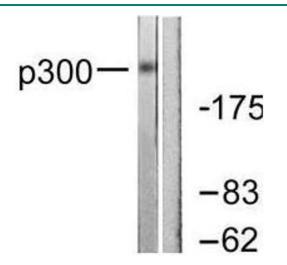
Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells (Lane 2), using p300 antiobdy. The lane on the left is treated with synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffinembedded human lung carcinoma tissue using p300 antibody.



Western Blotting

Image 3. Western blot analysis of extracts from MDA-MB-

435 cells, using p300 antibody.

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