Datasheet for ABIN5773890

anti-p300 antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	50 µg
Target:	p300 (EP300)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p300 antibody is un-conjugated
Application:	Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Purpose:	Mouse monoclonal antibody raised against EP300.
Immunogen:	Human p300 by DNA immunization in which the C-terminus of the protein was cloned and expressed.
Isotype:	IgG3
Cross-Reactivity:	Human

Target Details

Target:	p300 (EP300)
Alternative Name:	EP300 (EP300 Products)
Background:	Full Gene Name: E1A binding protein p300

Target Details

	Synonyms: KAT3B,p300
Gene ID:	2033
Pathways:	p53 Signaling, Notch Signaling, Interferon-gamma Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Lipid Metabolism by PPARalpha, Regulation of Muscle Cell Differentiation, Regulation of Cell Size

Application Details

Application Notes:	ChIP (5 µg/CHIP) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.05 % sodium azide, 0.05 % proclin 300).
Preservative:	ProClin, Sodium azide
Precaution of Use:	This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

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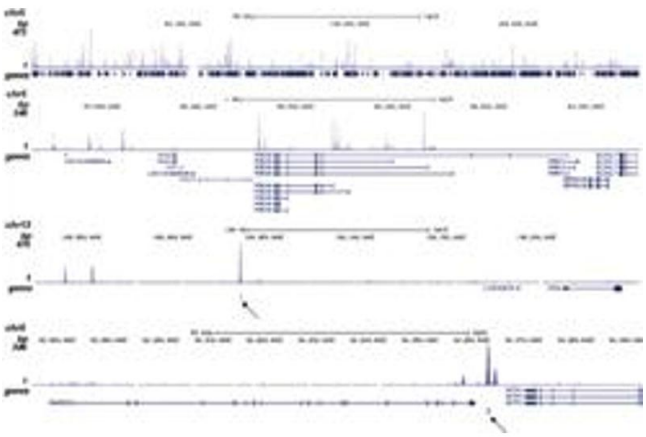

Image 1. ChIP was performed with 5 ug of antibody. The figure shows the peak distribution along the complete sequence and a 3 mb region of chromosome 5 and in two regions surrounding the IRS2 and ANKRD32 positive control genes. The position of the amplicon used for ChIP-qPCR is indicated by an arrow.

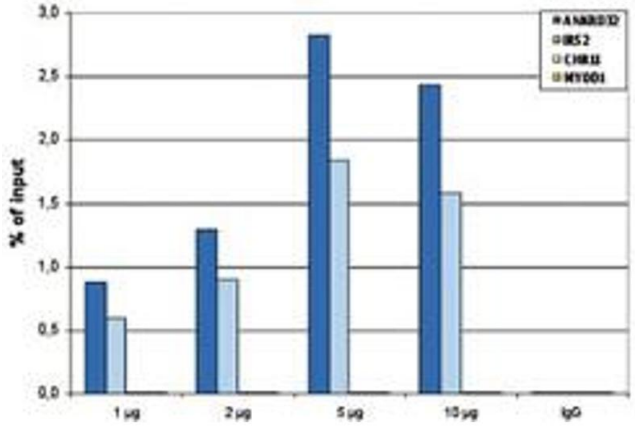

Image 2. ChIP was performed using HeLa cells. A titration of the antibody consisting of 1, 2, 5 and 10 ug per ChIP experiment was analysed. IgG (2 ug/IP) was used as negative IP control. Quantitative PCR was performed with primers for two genomic regions near the ANKRD32 and IRS2 genes, used as positive controls, and for the coding region of the inactive MYOD1 gene and an intergeic region on chromosome 11, used as negative controls. The figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).