

For Research Use Only

p300 Polyclonal antibody

Catalog Number: 20695-1-AP

5 Publications



Basic Information

Catalog Number:

20695-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001429

GeneID (NCBI):

2033

UNIPROT ID:

Q09472

Full Name:

E1A binding protein p300

Calculated MW:

264 kDa

Observed MW:

300 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, HEK-293T cells, Jurkat cells, MCF-7 cells, RAW 264.7 cells, PC-3 cells

Background Information

p300 is a 300 kDa global transcriptional coactivator with histone acetyltransferase (HAT) activity. p300 binds to chromosomal histones and modulates the chromatin conformation by acetylation of its histones, leading to activation of various gene transcriptions. p300 plays a critical role in DNA repair synthesis after DNA damage induced by ultraviolet or radiation. p300 is overexpressed in various types of cancer, which is associated with worse patient outcomes (PMID: 27322077).

Notable Publications

Author	Pubmed ID	Journal	Application
Weiren Lan	40150862	Adv Sci (Weinh)	WB,IHC
Jingtao Gu	39855379	Cancer Lett	WB
Qinqin Cai	39743014	Exp Cell Res	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

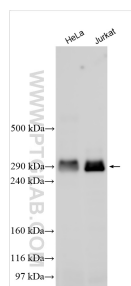
T: 4006900926

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20695-1-AP (p300 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.