

For Research Use Only

# p300 Recombinant antibody

Catalog Number: 83078-4-RR



## Basic Information

<b>Catalog Number:</b> 83078-4-RR	<b>GenBank Accession Number:</b> NM_001429	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2033	<b>CloneNo.:</b> 230369H8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q09472	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> E1A binding protein p300	<b>Affinity:</b> $K_D = 1.30 \times 10^{-8}M$
	<b>Calculated MW:</b> 264 kDa	$K_{off} = 3.14 \times 10^{-3}M$ $K_{on} = 2.42 \times 10^5M$

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

## 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).

## Storage

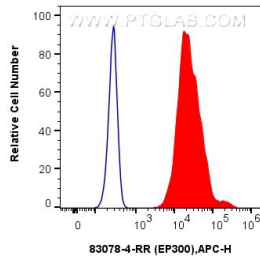
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

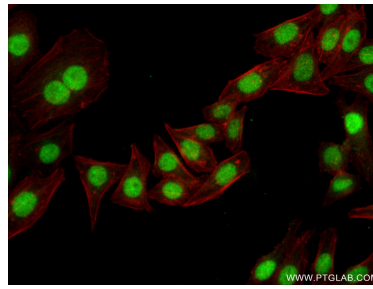
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



$1 \times 10^6$  THP-1 cells were intracellularly stained with 0.25  $\mu$ g p300 Recombinant antibody (83078-4-RR, Clone: 230369H8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using p300 antibody (83078-4-RR, Clone: 230369H8) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).