

## p300 Rabbit mAb (AR1966)

### Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,IP,ELISA
Isotype:	IgG,Kappa
MW:	264kDa (Calculated) 300kDa (Observed)

### Recommended Dilution Ratios

WB:	1:2000-10000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

Storage	-15°C to -25°C/1 year (Do not lower than -25°C)
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### Basic Information

Clonality	Monoclonal
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### Immunogen Information

Specificity	Endogenous
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### Target Information

Gene name	EP300
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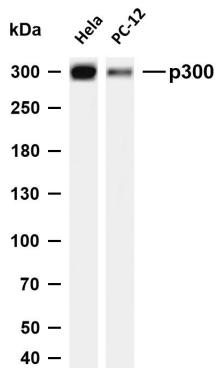
Protein Name	Histone acetyltransferase p300
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Organism	Gene ID	UniProt ID
Human	2033	Q09472
Mouse		B2RWS6

Cellular Localization	Cytoplasm. Nucleus. Chromosome. Localizes to active chromatin: Colocalizes with histone H3 acetylated and/or crotonylated at 'Lys-18' (H3K18ac and H3K18cr, respectively) (PubMed:25818647). In the presence of ALX1 relocates from the cytoplasm to the nucleus. Colocalizes with ROCK2 in the nucleus (PubMed:12929931)
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Tissue specificity	Epithelium, Skin
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## Validation Data



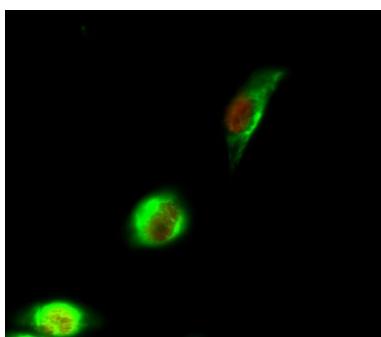
Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-p300 antibody. The HRP conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: HeLa

Lane 2: PC-12

Predicted band size: 264kDa

Observed band size: 300kDa



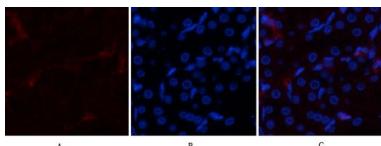
Immunofluorescence analysis of HeLa cell.

1. p300 Antibody(red) was diluted at 1:200(4 °C overnight). p53 Monoclonal Antibody (green) was diluted at 1:200(4 °C overnight).
2. Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min)

Immunofluorescence analysis of rat-kidney tissue.

1. p300 Antibody(red) was diluted at 1:200(4°C, overnight).
2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. Picture B: DAPI(blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



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