

For Research Use Only

PE-conjugated p300 Recombinant monoclonal antibody

Catalog Number: PE-83078-5



Basic Information

Catalog Number:

PE-83078-5

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:

Protein A purification

CloneNo.:

230369D12

Recommended Dilutions:

FC (Intra): 0.1 ug per 10^6 cells in a 100 μ l suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra) : THP-1 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).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

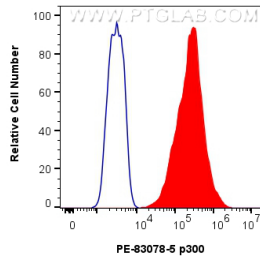
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ THP-1 cells were intracellularly stained with 0.1 ug PE-conjugated p300 Recombinant monoclonal antibody (PE-83078-5, Clone:230369D12)(red), or 0.1 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).