

For Research Use Only

# NAT12 Polyclonal antibody

Catalog Number: 25149-1-AP



## Basic Information

### Catalog Number:

25149-1-AP

### Size:

150ul, Concentration: 160 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18435

### GenBank Accession Number:

BC118589

### GeneID (NCBI):

122830

### UNIPROT ID:

Q147X3

### Full Name:

N-acetyltransferase 12 (GCN5-related, putative)

### Calculated MW:

362 aa, 39 kDa

### Observed MW:

40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HEK-293 cells,

IF/ICC : U2OS cells,

## Background Information

N-terminal acetylation (Nt-acetylation) by N-terminal acetyltransferases (NATs) is one of the most common protein modifications in eukaryotes. The NatC complex represents one of three major NATs of which the substrate profile remains largely unexplored. NAT12/NAA30 (N-alpha-acetyltransferase 30) is the catalytic subunit of the NAT-C complex (PMID: 27694331, 26292663). The expected sizes of the two isoforms of the protein were 35 and 39 kDa. Western blots detected two bands of NAA12, the expected ~40 kDa band and a possibly dimer at ~70 kDa.

## 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

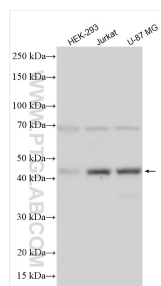
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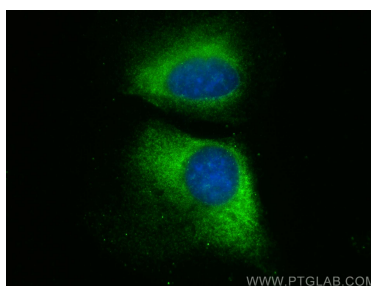
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25149-1-AP (NAT12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using NAT12 antibody (25149-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).