

Ub Rabbit pAb

CatalogNo: YT4793

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IP, IHC, IF, ELISA

MW

- 18kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:20000

IF 1:50-200

Storage

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

Formulation 1 mg/ml

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Ubiquitin. AA range: 40-89

Specificity Ub Polyclonal Antibody detects endogenous levels of Ub protein.

Target Information

| | | | |
|------------------------------|--|--|---|
| Gene name | UBA52/RPS27A/UBB/UBC | | |
| Protein Name | Ubiquitin | | |
| | Organism | Gene ID | UniProt ID |
| | Human | 7311 ; | P0CG47 ; P0CG48 ; P62979 ; P62987 ; |
| | Mouse | 22187 ; 22190 ; 78294 ; 22186 ; | |
| | Rat | 192255 ; 50522 ; 100912032 ; 64156 ; | P0CG51 ; Q63429 ; P62982 ; P62986 ; |
| Cellular Localization | [Ubiquitin]: Cytoplasm . Nucleus . Mitochondrion outer membrane ; Peripheral membrane protein . | | |
| Tissue specificity | Brain,Epithelium,Fetal brain cortex,Liver,Lung,Lung adenocarcinoma,Lung cancer,Lymphocyte,P | | |
| Function | <p>Function:Protein modifier which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Attachment to proteins as a Lys-48-linked polymer usually leads to their degradation by proteasome. Attachment to proteins as a monomer or as an alternatively linked polymer does not lead to proteasomal degradation and may be required for numerous functions, including maintenance of chromatin structure, regulation of gene expression, stress response, ribosome biogenesis and DNA repair.,miscellaneous:This ribosomal protein is synthesized as a C-terminal extension protein (CEP) of ubiquitin.,miscellaneous:Ubiquitin is synthesized as a polyubiquitin precursor with exact head to tail repeats, the number of repeats differ between species and strains. In some species there is a final amino-acid after the last repeat, here in human a Val. Some ubiquitin genes contain a single copy of ubiquitin fused to a ribosomal protein (either L40 or S27a).,PTM:Several types of polymeric chains can be formed, depending on the lysine used for the assembly.,similarity:Belongs to the ribosomal protein S27Ae family.,similarity:Belongs to the ubiquitin family.,</p> | | |

| Validation Data

| Contact information

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