

Ub Rabbit Polyclonal Antibody

产品货号	产品名称	储存条件
IM30003	Ub Rabbit Polyclonal Antibody	-20℃

产品信息

别名	UBB; Polyubiquitin-B; UBC; Polyubiquitin-C; RPS27A; UBA80; UBCEP1; Ubiquitin-40S ribosomal protein S27a; Ubiquitin carboxyl extension protein 80; UBA52; UBCEP2; Ubiquitin-60S ribosomal protein L40; CEP52; Ubiquitin A-52 residue ribosomal pr
类别	抗原抗体
基因名称	UBA52/RPS27A/UBB/UBC
蛋白名称	Ubiquitin
推荐应用	WB, IP, IHC-P, IF-P, IF-F, IF-ICC, ELISA
反应种属	Human, Mouse, Rat
浓度	1 mg/ml
存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Human Gene ID	7311
免疫原	The antiserum was produced against synthesized peptide derived from human Ubiquitin. AA range:40-89
特异性	Ub Polyclonal Antibody detects endogenous levels ofUb protein.
稀释度	WB 1:500-1:2000, IHC-P1:100-1:300, ELISA 1:20000, IF-P/IF-F/IF-ICC 1:50-200
参考分子量	18kDa

宿主	Rabbit
同种型	Rabbit, IgG
克隆号	5U4
Clonality	Monoclonal

背景介绍

This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response.

Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.

组织表达

Brain, Epithelium, Fetal brain cortex, Liver, Lung, Lung adenocarcinoma, Lung cancer, Lymphocyte, P.

细胞定位

[Ubiquitin]: Cytoplasm . Nucleus . Mitochondrion outer membrane ; Peripheral membrane protein .

功能

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 apolyubiquitin 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 ofpolymeric chains can be formed, depending on the lysine used for the assembly.,similarity:Belongs to the ribosomal protein S27Ae family.,similarity:Belongs to theubiquitin family.

纯化

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope- specific immunogen.

Clonality: Polyclonal.

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