

Product Name: Ub Rabbit Polyclonal Antibody**Catalog #: APRab19487**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	80 50kDa

Antigen Information

Gene Name	UBA52
	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 protein fusion product 1
Gene ID	
SwissProt ID	P62987/P62979/P0CG47/P0CG48
Immunogen	Synthesized peptide derived from the N-terminal region of human Ub.

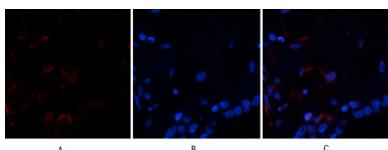
Background

Ubiquitin is a highly conserved nuclear and cytoplasmic protein that has a major role in targeting cellular proteins for degradation by the 26S proteosome. 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 encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein L40 at the C terminus, a C-terminal extension protein (CEP). Multiple processed pseudogenes derived from this gene are present in the genome. [provided by RefSeq, Jul 2008],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 L40e family.,similarity:Belongs to the ribosomal protein S27Ae family.,similarity:Belongs to the ubiquitin family.,

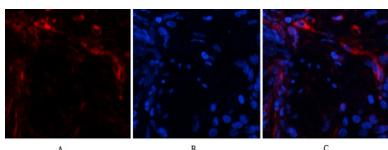
Research Area

Ribosome;

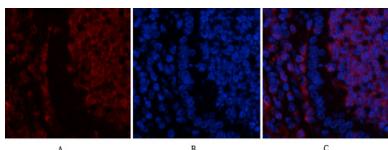
Image Data



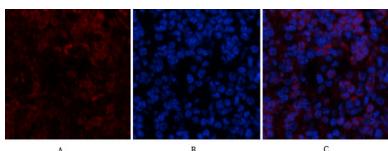
Immunofluorescence analysis of human-lung tissue. 1,Ub Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



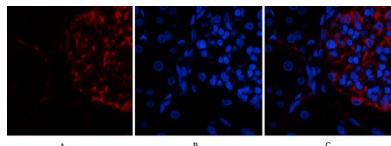
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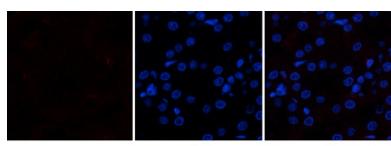
Immunofluorescence analysis of mouse-spleen tissue. 1,Ub Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



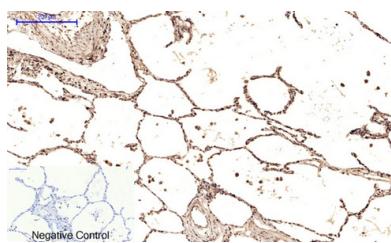
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Immunofluorescence analysis of rat-kidney tissue. 1.Ub Polyclonal Antibody (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labled Secondary antibody was diluted at 1:300 (room temperature, 50min) .3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

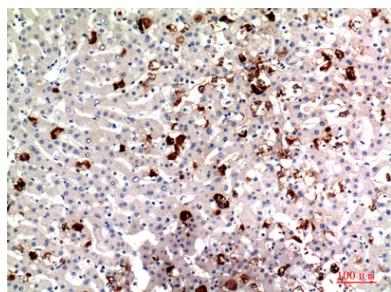
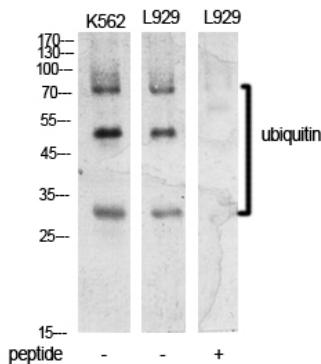


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Immunohistochemical analysis of paraffin-embedded Human-lung tissue. 1.Ub Polyclonal Antibody was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

Western Blot analysis of K562, L929 cells using Ub Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100