



UBA52 Rabbit mAb

Catalog No	YP-rAb-17565
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	UBA52
Protein Name	Ubiquitin-60S ribosomal protein L40
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:2000-1:10000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	UBA52;Ubiquitin-60S ribosomal protein L40;UBA52 ; UBCEP2 ; Ubiquitin-60S ribosomal protein L40 ; CEP52 ; Ubiquitin A-52 residue ribosomal protein fusion product 1
Observed Band	10kD
Calculated Molecular Weight	15kD
Cell Pathway	[Ubiquitin]: Cytoplasm . Nucleus .; [60S ribosomal protein L40]: Cytoplasm .
Tissue Specificity	Brain,Epithelium,Fetal brain cortex,Liver,L
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.,

Background

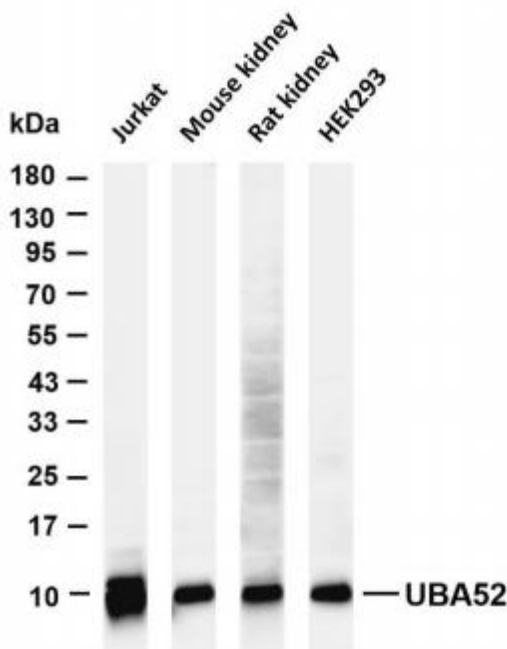
Ubiquitin is a highly conserved nuclear and cytoplasmic protein that has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene 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],

matters needing attention

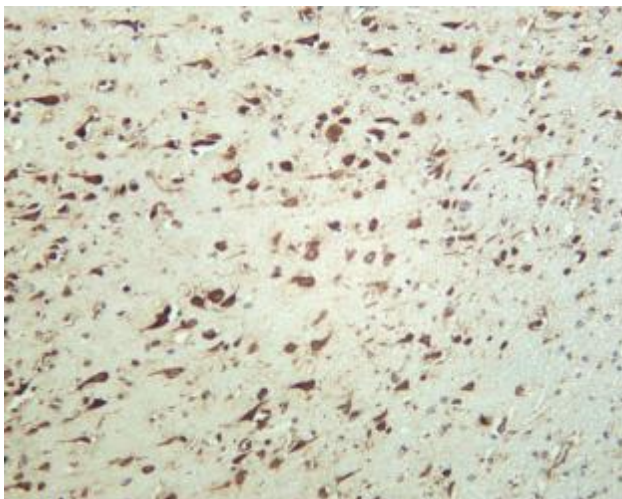
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

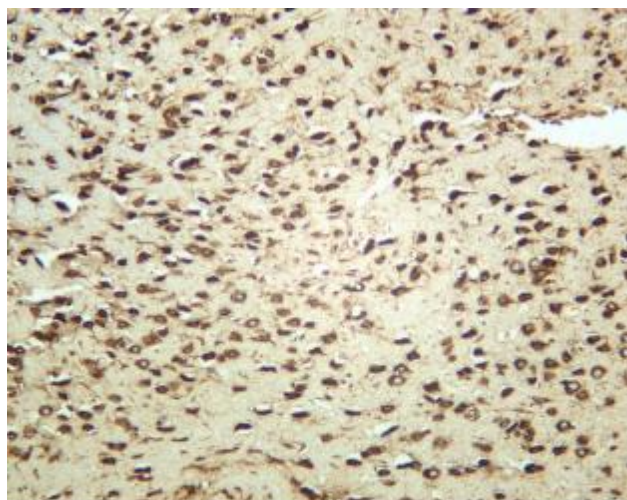


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-UBA52 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat Lane 2: Mouse kidney Lane 3: Rat kidney Lane 4: HEK293 Predicted band size: 15kDa Observed band size: 10kDa

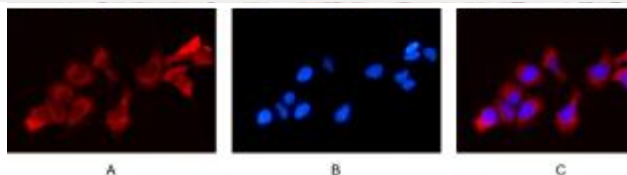


Human brain was stained with anti-UBA52 rabbit antibody





Mouse brain was stained with anti-UBA52 rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: UBA52 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

