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# Datasheet for ABIN3022991 anti-Ubiquitin B antibody (AA 1-76)

3 Images



Overview

Overview	
Quantity:	100 µL
Target:	Ubiquitin B (UBB)
Binding Specificity:	AA 1-76
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ubiquitin B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-76 of human Ubiquitin (NP_061828.1).
Sequence:	MQIFVKTLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN IQKESTLHLV LRLRGG
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	Ubiquitin B (UBB)

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Target Details		
Alternative Name:	UBB (UBB Products)	
Background:	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 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 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. A	
	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.,HEL-S-50,Ubiquitin,UBB,Epigenetics & Nuclear	
	Signaling,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of	
	Apoptosis,Ubiquitin,Ubiquitin-Proteasome Signaling Pathway,Neuroscience,Neurodegenerative	
	Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,UBB	
Molecular Weight:	25 kDa	
Gene ID:	7314	
UniProt:	P0CG47	
Pathways:	Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling	
	Pathway, Activation of Innate immune Response, Mitotic G1-G1/S Phases, DNA Replication,	
	Toll-Like Receptors Cascades, Synthesis of DNA, Autophagy, EGFR Downregulation, Ubiquitin	
	Proteasome Pathway	
Application Details		
Application Notes:	WB.1:500 - 1:2000.IHC.1:50 - 1:200	

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	

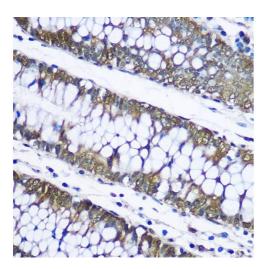
should be handled by trained staff only.

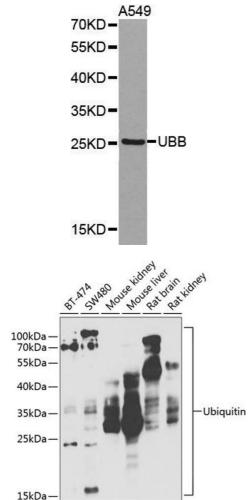
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Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Images





### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human placenta using Ubiquitin Rabbit pAb (ABIN3022990, ABIN3022991, ABIN3022992 and ABIN6219334) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

### Western Blotting

**Image 2.** Western blot analysis of extracts of A549 cell lines, using UBB antibody.

#### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using Ubiquitin antibody (ABIN3022990, ABIN3022991, ABIN3022992 and ABIN6219334) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

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