

Rabbit K48-linkage Specific Ubiquitin Monoclonal Antibody | anti-UBB antibody

Anti-K48-linkage Specific Ubiquitin Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47123	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

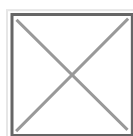
PRODUCT SYNONYMS

K48-linkage Specific Ubiquitin; Monoclonal Antibody; Anti-K48-linkage Specific Ubiquitin Rabbit Monoclonal Antibody; Polyubiquitin-B; Ubiquitin; UBB; anti-UBB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	229
Applicable Applications for anti-UBB antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human K48-linkage Specific Ubiquitin
Subcellular Localization	Ubiquitin: Cytoplasm. Nucleus.
Conjugate	No
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of Ubiquitin expression in Jurkat cell lysate (AAA47123). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-UBB monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for UBB

ADDITIONAL INFORMATION

Related Product Information for anti-UBB antibody	Ubiquitin: Exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. Linear polymer chains formed via attachment by the initiator Met lead to cell signaling. Ubiquitin is usually conjugated to Lys residues of target proteins, however, in rare cases, conjugation to Cys or Ser residues has been observed. When polyubiquitin is free (unanchored-polyubiquitin), it also has distinct roles, such as in activation of protein kinases, and in signaling.
Product Categories/Family for anti-UBB antibody	Neuroscience; Neurology Process; Neurodegenerative Disease; Alzheimer's Disease; tangles & tau; Epigenetics and Nuclear Signaling; Chromatin Modifying Enzymes; ubiquitylation; Cell Biology; Proteolysis/Ubiquitin; Proteasome/Ubiquitin; neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	528524471
NCBI GeneID	7314
NCBI Accession #	NP_001268645.1
NCBI GenBank Nucleotide #	NM_001281716.1
UniProt Accession #	P0CG47; P02248; P02249; P02250; P62988; Q29120; Q6LBL4; Q6LDU5; Q8WYN8; Q91887; Q91888; Q9BWD6
NCBI Official Full Name	polyubiquitin-B
NCBI Official Synonym Full Names	ubiquitin B
NCBI Official Symbol	UBB
NCBI Official Synonym Symbols	HEL-S-50
NCBI Protein Information	polyubiquitin-B
UniProt Protein Name	Polyubiquitin-B
UniProt Gene Name	UBB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/k48-linkage-specific-ubiquitin-antibody-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/47123>