

Rabbit anti-Human Ubiquitin Antibody | anti-UBB antibody

Ubiquitin (Autophagy Marker)

CATALOG # AAA215247	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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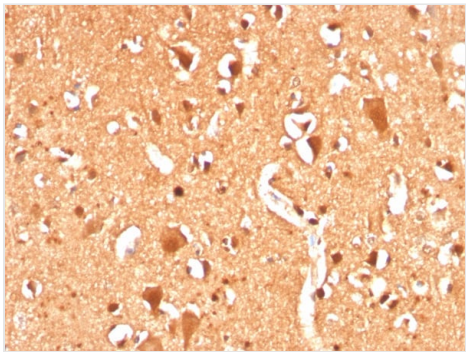
PRODUCT SYNONYMS

Ubiquitin; Ubiquitin (Autophagy Marker); Epididymis secretory protein Li 50; Polyubiquitin B; RPS27A; UBA52; UBA80; UBB; UBC; UBCEP1; UBCEP2; anti-UBB antibody

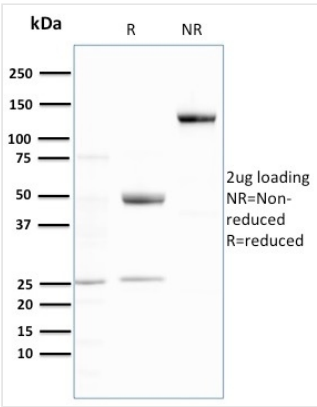
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Isotype	IgG
Clone Number	UBB/3143R
Specificity	Ubiquitin is a highly conserved and plays an essential role in the ubiquitin-proteasome pathway. In ubiquitination process, it is first activated by forming a thiol-ester complex with the activation component E1, which is then transferred to ubiquitin-carrier protein E2, followed by to ubiquitin ligase E3 for final delivery to epsilon-NH2 of the target protein lysine residue. Ikb, p53, cdc25A, Bcl-2 etc. are shown as targets of ubiquitin-proteasome process as part of regulation of cell cycle progression, differentiation, cell stress response, and apoptosis. Moreover, ubiquitin have been reported to bind covalently with pathological inclusions which are resistant to degradation e.g. neurofibrillary tangles/paired helical filaments in Alzheimer's disease, Lewy bodies seen in Parkinson's disease, and Pick bodies found in Pick's disease etc.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-UBB antibody	IHC (Immunohistochemistry)
Positive Control	HeLa or Jurkat cells. Alzheimer's Brain.
Immunogen	Recombinant fragment of human Ubiquitin protein (around aa 1-119) (exact sequence is proprietary)
Cellular Localization	Cell Surface, Cytoplasmic and Nuclear
Hu-chromosome Location	17p11.2
Antibody Type	Recombinant Rabbit Monoclonal Antibody
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Brain stained with Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R).



SDS-PAGE
SDS-PAGE Analysis Purified Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Hochstrasser, M. 1995. Curr. Opin. Cell Biol. 7: 215-223.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	7314
UniProt Accession #	P0G47; P0G48; P62979; P62987; P62988; P0CG47
Molecular Weight	9kDa
NCBI Official Synonym Full Names	ubiquitin B
NCBI Official Symbol	UBB
NCBI Official Synonym Symbols	HEL-S-50
NCBI Protein Information	polyubiquitin-B

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.