

Rabbit Ubiquitin Polyclonal Antibody | anti-UBB antibody

Ubiquitin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76744	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry

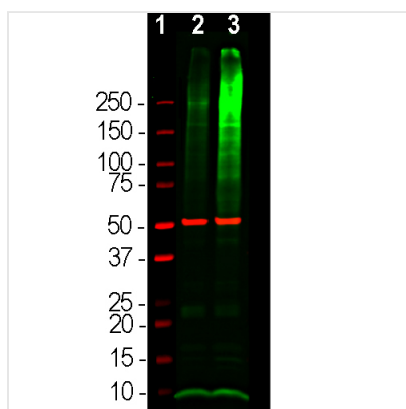
PRODUCT SYNONYMS

Ubiquitin; Polyclonal Antibody; anti-UBB antibody

PRODUCT SPECIFICATIONS

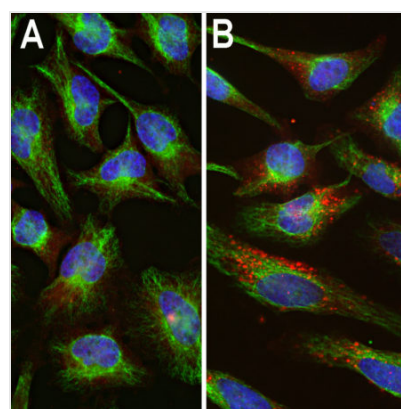
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Liquid. Supplied as an aliquot of serum plus 5mM NaN3
Applicable Applications for anti-UBB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Purified ubiquitin conjugated with glutaraldehyde to KLH
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of HEK293 cell lysates using rabbit pAb to ubiquitin, AAA76744, dilution 1:5,000 in green and mouse mAb to beta-Tubulin in red, used as a loading control. [1] protein standard (red), [2] cells maintained in normal medium, [3] cells treated with proteasome inhibitor lactacystin (Lc) at 10uM for 16 hours. The smear detected above the 200kDa standard represents accumulations of ubiquitinated proteins in the Lc treated cells.



IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells stained with rabbit pAb to ubiquitin, AAA76744, dilution 1:1,000 in red, and costained with chicken pAb to vimentin in green. The blue is DAPI staining of nuclear DNA. [A] Control HeLa cells maintained in normal medium, [B] HeLa cells treated with 10uM of the proteasome inhibitor lactacystin (Lc) for 24 hours. Proteasomal inhibition leads to formation of strongly ubiquitin positive cytoplasmic inclusions.

ADDITIONAL INFORMATION

Related Product Information for anti-UBB antibody	Ubiquitin is a globular 76 amino acid protein of about 8.5kDa molecular weight which was discovered by biochemical isolation from bovine thymus tissues. The protein was found to be highly conserved in amino acid sequence and was detectable in apparently every cell and tissue type, and, being apparently ubiquitously expressed, became known as ubiquitin. Subsequent work showed that ubiquitin has an important role in the targeting of proteins for proteolytic degradation, but has other important functions. It was made against purified bovine blood derived ubiquitin coupled to keyhole limpet hemocyanin with glutaraldehyde. The antibody is relatively insensitive to formalin fixation and so can be used on paraffin embedded fixed histological sections of human brain for studies of Alzheimer's and other neurodegenerative diseases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	302595875
NCBI GeneID	7314
UniProt Accession #	P0CG47; P02248; P02249; P02250; P62988; Q29120; Q6LBL4; Q6LDU5; Q8WYN8; Q91887; Q91888; Q9BWD6
Molecular Weight	229
NCBI Official Full Name	Polyubiquitin-B
NCBI Official Synonym Full Names	ubiquitin B
NCBI Official Symbol	UBB
NCBI Protein Information	polyubiquitin-B; polyubiquitin B
UniProt Protein Name	Polyubiquitin-B
UniProt Gene Name	UBB
UniProt Entry Name	UBB_HUMAN

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/polyclonal/ubiquitin-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76744>