

Mouse Ubiquitin Monoclonal Antibody | anti-UBB antibody

Ubiquitin (Autophagy Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214706	Mouse	Human. Others not known.	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	UBB/2122
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.
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.
Sequence Length	229
Applicable Applications for anti-UBB antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment of human Ubiquitin protein (around aa 1-119)
Cellular Localization	Cell Surface, Cytoplasmic and Nuclear
Hu-chromosome Location	17p11.2
Positive Control	HeLa or Jurkat cells. Alzheimers Brain

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Ubiquitin Mouse Monoclonal Antibody (UBB/2122)Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Ubiquitin Mouse Monoclonal Antibody (UBB/2122).Confirmation of purity and integrity.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Brain stained with Ubiquitin Mouse Monoclonal Antibody (UBB/2122).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Brain stained with Ubiquitin Mouse Monoclonal Antibody (UBB/2122).

ADDITIONAL INFORMATION

References	Hochstrasser, M. 1995. Ubiquitin, proteasomes and the regulation of intracellular protein degradation. Curr. Opin. Cell Biol. 7: 215-223.
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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
Molecular Weight	9kDa
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

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