Catalog # 7314-RBM3
Product Datasheet

Recombinant Ubiquitin (Autophagy Marker) Antibody

Rabbit Monoclonal Antibody [Clone UBB/3143R]

Catalog No	Format	Size
7314-RBM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7314-RBM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7314-RBM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

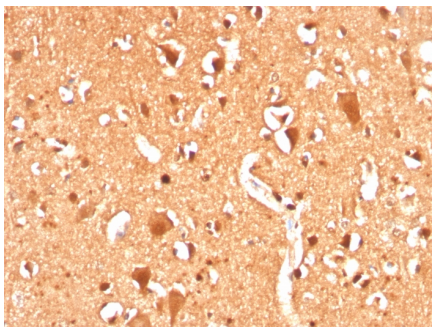
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

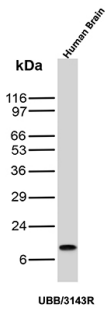
Clone	UBB/3143R
Gene Name	UBB
Immunogen	Recombinant fragment of human Ubiquitin protein (around aa 1-119) (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	9kDa
Cellular Localization	Endoplasmic reticulum membrane, Microsome membrane
Species Reactivity	Human
Positive Control	HeLa or Jurkat or Raji cells. Alzheimer's Brain.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Ubiquitin (Autophagy Marker) Antibody

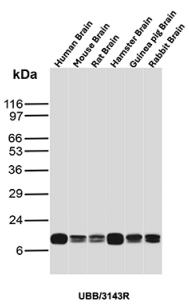


Formalin-fixed, paraffin-embedded human Brain stained with Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R).

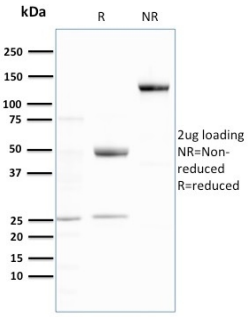


Western Blot Analysis of Human Brain tissue lysate using Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R)

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com



Western Blot Analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain and Rabbit Brain tissue lysates using Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R).



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

Specificity & Comments

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.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Cytokine Signaling, Developmental Biology, Immunology, Infectious Disease, Neuroscience, Ovarian Cancer, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.