

## Recombinant Ubiquitin (Autophagy Marker) Antibody

Mouse Monoclonal Antibody [Clone rFPM1]

Catalog No	Format	Size
7314-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7314-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7314-MSM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

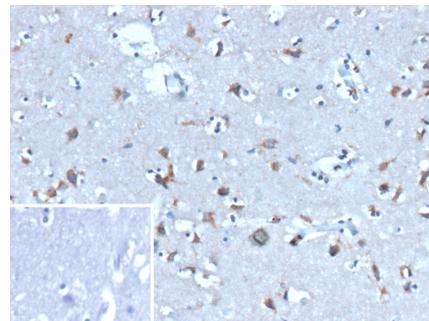
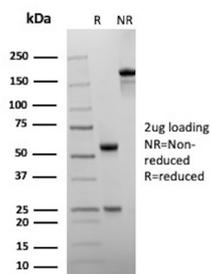
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

<b>Clone</b>	rFPM1
<b>Gene Name</b>	UBB
<b>Immunogen</b>	Ubiquitin conjugated with glutaraldehyde crosslinked to keyhole limpet hemocyanin (KLH).
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	9kDa
<b>Cellular Localization</b>	Cell membrane, Secreted
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HeLa or Raji cells. Human brain.

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

### Product Images for Recombinant Ubiquitin (Autophagy Marker) Antibody



SDS-PAGE Analysis of Purified Ubiquitin Recombinant Mouse Monoclonal Antibody (rFPM1). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human brain stained with Ubiquitin Recombinant Mouse Monoclonal Antibody (rFPM1). Inset: PBS instead of primary antibody; secondary only negative control.

**Specificity & Comments**

Ubiquitin, a small protein consisting of 76 amino acids, has been found in all eukaryotic cells studied. It is one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation, which eliminates most intracellular defective proteins as well as normal proteins with a rapid turnover. Degradation involves covalent binding of ubiquitin to the protein to be degraded and it is believed that in this way ubiquitin acts to label the protein for disposal by intracellular proteases. The most abundant ubiquitin-protein conjugate, however, is ubiquitin-histone H2A. This conjugate is not degraded. Since such ubiquitinated histones are present primarily in actively transcribed chromosomal regions, ubiquitin may play a role in regulation of gene expression.

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**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.

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**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.

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**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.

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**Research Areas**

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

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