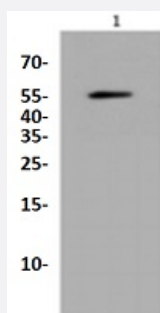


RecomAb™

# UBB recombinant monoclonal antibody

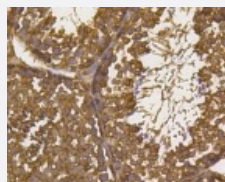
Catalog # RAB02749      Size 100 uL

## Applications



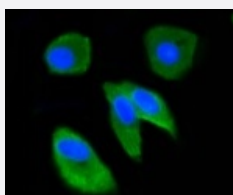
### Western Blot (Tissue lysate)

Western blot analysis of Lane1: The heart tissue lysate of Mouse with UBB recombinant monoclonal antibody (Cat # RAB02749) at 1:1000 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue using UBB recombinant monoclonal antibody (Cat # RAB02749). Counter stained with hematoxylin.



### Immunocytochemistry

Immunocytochemical staining of MCF7 cells using UBB recombinant monoclonal antibody (Cat # RAB02749). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton \*100/PBS.

## Specification

### Product Description

Rabbit recombinant monoclonal antibody raised against UBB.

<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant UBB.
<b>Theoretical MW (kDa)</b>	8, uncertain
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	This antibody detects ubiquitin, polyubiquitin and ubiquitinated proteins.
<b>Form</b>	Liquid
<b>Purification</b>	Protein A purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:200-1:500) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

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- Immunocytochemistry

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- Immunofluorescence
- Flow Cytometry

## Gene Info — UBB

Entrez GeneID [7314](#)

Protein Accession# [P0CG47;P0CG48;P62979;P62987](#)

Gene Name UBB

Gene Alias FLJ25987, MGC8385

Gene Description ubiquitin B

Omim ID [191339](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome. [provided by RefSeq]

**Other Designations** OTTHUMP00000064960|OTTHUMP00000064961|polyubiquitin B