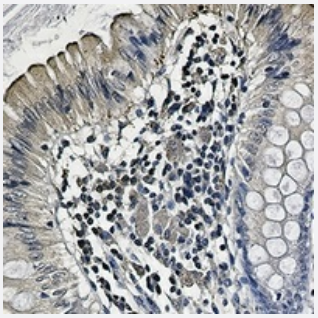
RecomAb™ Sm Size

UBB recombinant monoclonal antibody

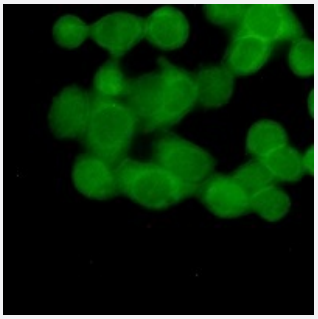
Catalog # RAB09286 Size 50 uL

Applications



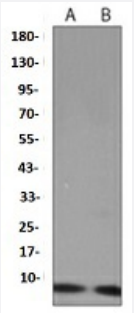
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human colon cancer formalin fixed paraffin embedded tissue section using UBB recombinant monoclonal antibody (Cat # RAB09286). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.66). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence

Immunofluorescent analysis of HeLa cells with UBB recombinant monoclonal antibody (Cat # RAB09286). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot (Cell lysate)

Western blot analysis of Hela (A), A549 (B) whole cell lysates with UBB recombinant monoclonal antibody (Cat # RAB09286).

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human UBB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human UBB (linkage-specific K63)
Theoretical MW (kDa)	8
Reactivity	Human
Specificity	Recognizes endogenous levels of UBB protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — UBB

Entrez GeneID	7314
Protein Accession#	P0CG47
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 presu mably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcr ibed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involv ed in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin cod ing 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 notic ed in patients with Alzheimer's and Down syndrome. [provided by RefSeq
Other Designations	OTTHUMP00000064960|OTTHUMP00000064961|polyubiquitin B

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