

## Ubiquitin/Ub Rabbit Monoclonal Antibody

### Catalog #: EAB21528

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IF/ICC		Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB(Western Blotting)	1:500-2000
IF/ICC(Immunofluorescence/Immunocytochemistry)	1:50-200

### Product Information

Conjugate	Unconjugate
Specificity	Ubiquitin/Ub Rabbit Monoclonal Antibody detects endogenous levels of Ubiquitin/Ub protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	<a href="#">P62987</a> , <a href="#">P0CG48</a> , <a href="#">P0CG47</a> , <a href="#">P62979</a>
Entrez-Gene Id	<a href="#">7311</a> , <a href="#">7316</a> , <a href="#">7314</a> , <a href="#">6233</a>

### Product Description

This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. 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. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.

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