

RecomAb™

## USP14 recombinant monoclonal antibody, clone R09-8E9

Catalog # RAB06455      Size 100 uL

### Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat USP14.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human USP14.
Theoretical MW (kDa)	Calculated MW: 56 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Immunofluorescence

- Flow Cytometry

## Gene Info — USP14

**Entrez GeneID** [9097](#)

**Protein Accession#** [P54578](#)

**Gene Name** USP14

**Gene Alias** TGT

**Gene Description** ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)

**Omim ID** [607274](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

**Other Designations** deubiquitinating enzyme 14|tRNA-guanine transglycosylase, 60-kD subunit|ubiquitin carboxyl-terminal hydrolase 14|ubiquitin specific protease 14|ubiquitin specific protease 14 (tRNA-guanine transglycosylase)|ubiquitin thiolesterase 14|ubiquitin-specific pr