

RecomAb™

# UBA1 recombinant monoclonal antibody, clone R01-6T7

Catalog # RAB05230      Size 100 uL

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human E1 Ubiquitin Activating Enzyme.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human E1 Ubiquitin Activating Enzyme
Theoretical MW (kDa)	Calculated MW: 118 k
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	Flow cytometry (1/50-1/100) Immunofluorescence (1/50-1/200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1/50-1/100) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry
- Immunofluorescence
- Flow Cytometry

## Gene Info — UBA1

Entrez GeneID	<a href="#">7317</a>
Gene Name	UBA1
Gene Alias	A1S9, A1S9T, A1ST, AMCX1, GXP1, MGC4781, SMAX2, UBA1A, UBE1, UBE1X
Gene Description	ubiquitin-like modifier activating enzyme 1
Omim ID	<a href="#">314370</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation. This gene complements an X-linked mouse temperature-sensitive defect in DNA synthesis, and thus may function in DNA repair. It is part of a gene cluster on chromosome Xp11.23. Alternatively spliced transcript variants that encode the same protein have been described. [provided by RefSeq]
Other Designations	A1S9T and BN75 temperature sensitivity complementing OTTHUMP00000023197 OTTHUMP0000023198 UBA1, ubiquitin-activating enzyme E1 homolog A ubiquitin-activating enzyme E1

## Pathway

- [Ubiquitin mediated proteolysis](#)

## Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)