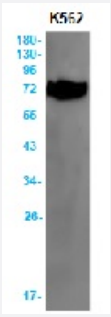
RecomAb™

ATG7 recombinant monoclonal antibody, clone R01-6E1

Catalog # RAB01641 Size 100 uL

Applications



Western Blot

Western blot analysis of ATG7 in K562 lysates using human ATG7 recombinant monoclonal antibody, clone R01-6E1 (Cat # RAB01641).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human ATG7.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ATG7
Theoretical MW (kDa)	Calculated MW: 78 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction	Store at 4°C for short term. 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 shoul d be handled by trained staff only.

Applications

- Western Blot

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- Immunoprecipitation

Gene Info — ATG7

Entrez GeneID	10533
Protein Accession#	O95352
Gene Name	ATG7
Gene Alias	APG7-LIKE, APG7L, DKFZp434N0735, GSA7
Gene Description	ATG7 autophagy related 7 homolog (S. cerevisiae)
Omim ID	608760
Gene Ontology	Hyperlink
Gene Summary	This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerev isiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuola r membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiqui tin activating enzymes. [provided by RefSeq
Other Designations	APG7 autophagy 7-like|ubiquitin activating enzyme E1-like protein

Pathway

- Regulation of autophagy

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections
- Huntington Disease
- Tobacco Use Disorder