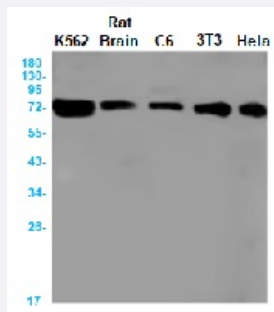


RecomAb™

ATG7 recombinant monoclonal antibody, clone R09-4E8

Catalog # RAB01598 Size 100 uL

Applications



Western Blot

Western blot analysis of Apg7 in K562, rat Brain, C6, 3T3, HeLa lysates using human Apg7 recombinant monoclonal antibody, clone R09-4E8 (Cat # RAB01598).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Apg7.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Apg7
Theoretical MW (kDa)	Calculated MW: 78 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	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 should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Apg7 in K562, rat Brain, C6, 3T3, Hela lysates using human Apg7 recombinant monoclonal antibody, clone R09-4E8 (Cat # RAB01598).

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 cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin 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](#)