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**Product Name: ATG7 Rabbit Monoclonal Antibody****Catalog #: AMRe85297**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	Calculated MW: 78 kDa; Observed MW: 78 kDa

**Antigen Information**

<b>Gene Name</b>	ATG7
<b>Alternative Names</b>	hAGP7; Ubiquitin-activating enzyme E1-like protein; APG7L
<b>Gene ID</b>	10533.0
<b>SwissProt ID</b>	O95352
<b>Immunogen</b>	A synthetic peptide of human Apg7

**Background**

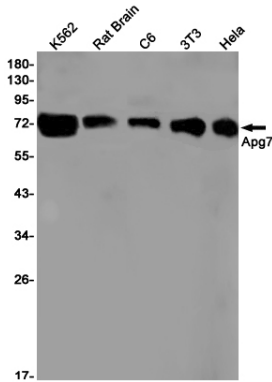
The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-

like enzyme Atg10.

## Research Area

Autophagy

## Image Data



Western blot analysis of Apg7 in K562, rat Brain, C6, 3T3, HeLa lysates using ATG7 antibody.