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## Summary

<b>Production Name</b>	ATG7 (1F8) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC-P
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	ATG7
<b>Alternative Names</b>	hAGP7; Ubiquitin-activating enzyme E1-like protein; APG7L
<b>Gene ID</b>	10533
<b>SwissProt ID</b>	O95352

## Application

<b>Dilution Ratio</b>	IHC: 1/50-1/100
<b>Molecular Weight</b>	-

## Background

The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes.

**Product Name: ATG7 (1F8) Mouse Monoclonal Antibody**  
**Catalog #: AMM00775**



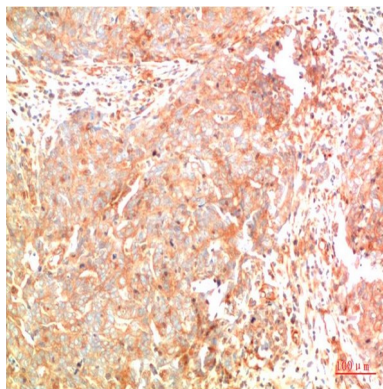
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Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10.

## Research Area

Cell Biology

## Image Data



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using ATG7 (1F8) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.