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**Product Name: ATG7 Rabbit Polyclonal Antibody****Catalog #: APRab00080**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,FC,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<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>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,FC 1:50-1:100,IP 1:20-1:50
<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
<b>SwissProt ID</b>	O95352
<b>Immunogen</b>	A synthetic peptide of human ATG7

**Background**

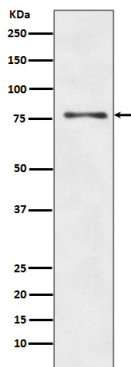
The molecular machinery of autophagy was largely discovered in yeast and referred to as autophagy-related (Atg) genes. Formation of the autophagosome involves a ubiquitin-like conjugation system in which Atg12 is covalently bound to Atg5 and

targeted to autophagosome vesicles. This conjugation reaction is mediated by the ubiquitin E1-like enzyme Atg7 and the E2-like enzyme Atg10.

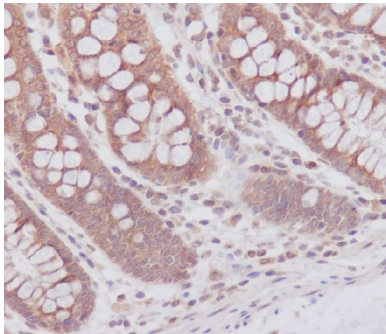
## Research Area

Cell Biology

## Image Data



Western blot analysis of ATG7 in HepG2 lysates using ATG7 antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon using ATG7 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.