



# Anti-ATG7 (N-terminal) polyclonal antibody (DPAB-DC1566)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	ATG7 (autophagy related 7) is a protein-coding gene. Diseases associated with ATG7 include frontotemporal dementia, and acute promyelocytic leukemia, and among its related superpathways are Class I MHC mediated antigen processing & presentation and Immune System. GO annotations related to this gene include ubiquitin activating enzyme activity and protein homodimerization activity.
<b>Immunogen</b>	A synthetic peptide corresponding to N-terminus of rat Atg7.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate),
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In PBS (30% glycerol, 0.5 mg/mL BSA, 0.01% thimerosal)
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">Atg7 autophagy related 7 [ <i>Rattus norvegicus (Norway rat)</i> ]</a>
<b>Official Symbol</b>	ATG7
<b>Synonyms</b>	ATG7; autophagy related 7; Apg7l; ubiquitin-like modifier-activating enzyme ATG7; autophagy-related 7; autophagy related 7 homolog; autophagy-related protein 7; ATG12-activating enzyme E1 ATG7; ATG7 autophagy related 7 homolog; ubiquitin-activating enzyme E1-like protein;
<b>Entrez Gene ID</b>	<a href="#">312647</a>
<b>Protein Refseq</b>	<a href="#">NP_001012097</a>
<b>UniProt ID</b>	<a href="#">Q641Y5</a>
<b>Chromosome Location</b>	4q42
<b>Pathway</b>	Adaptive Immune System; Proteasome degradation; presentation; Regulation of autophagy
<b>Function</b>	Atg12 activating enzyme activity; Atg8 activating enzyme; molecular_function; protein homodimerization activity

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