



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

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

PRODUCT INFORMATION

Antigen Description	ATG7 (autophagy related 7) is a protein-coding gene. Diseases associated with ATG7 include frontotemporal dementia, and acute promyelocytic leukemia, and among its related super-pathways 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.
Immunogen	A synthetic peptide corresponding to N-terminus of rat Atg7.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB (Cell lysate),
Format	Liquid
Size	100 µg
Buffer	In PBS (30% glycerol, 0.5 mg/mL BSA, 0.01% thimerosal)
Preservative	None
Storage	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Atg7 autophagy related 7 [Rattus norvegicus (Norway rat)]
Official Symbol	ATG7
Synonyms	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;
Entrez Gene ID	312647
Protein Refseq	NP_001012097
UniProt ID	Q641Y5
Chromosome Location	4q42
Pathway	Adaptive Immune System; Proteasome degradation; presentation; Regulation of autophagy
Function	Atg12 activating enzyme activity; Atg8 activating enzyme; molecular_function; protein homodimerization activity