Recombinant DGRmAb®

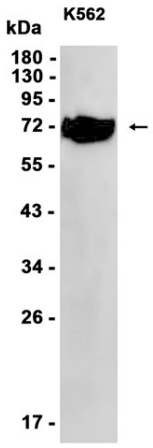
ATG7 (DGR21045) Rabbit mAb

db11414 **Package : 10μL 20μL 50μL 100μL**

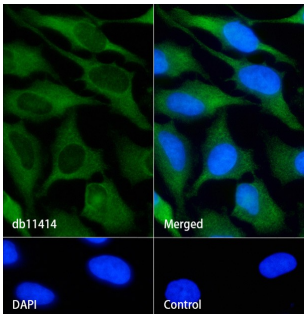
Product Name : ATG7 (DGR21045) Rabbit mAb
Cat.No.: db11414
Synonyms : GSA7; APG7L; APG7-LIKE
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

Background	This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Immunogen	A synthetic peptide of human ATG7
Gene ID	10533
Swiss Prot	O95352
Synonyms	GSA7; APG7L; APG7-LIKE
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:5000-1:50000 IHC-P: 1:200-1:500 ICC/IF: 1:100-1:500 FC: 1:50-1:100 IP: 1:20-1:50
Calculated MW	78 kDa
Observed MW	78 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR21045

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562 cells using db11414 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling ATG7 with db11414.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11414 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.