

Recombinant

DGRmAb®

**ATG7 (DGR11419) Rabbit mAb (PBS Only)**

db11900-PBS

Package : 10µg 100µg

**Product Name** : ATG7 (DGR11419) Rabbit mAb (PBS Only)**Cat.No.:** db11900-PBS**Synonyms** : GSA7; APG7L; APG7-LIKE**Application** : WB, ICC/IF**Reactivity** : Human,Mouse,Rat**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 Apg7

**Gene ID**

10533

**Swiss Prot**

O95352

**Synonyms**

GSA7; APG7L; APG7-LIKE

**Reactivity**

Human,Mouse,Rat

**Application**

WB, ICC/IF

**Calculated MW**

78 kDa

**Observed MW**

78 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR11419

**Isotype**

IgG

**Purity**

Affinity Purification

**Conjugation**

Un-conjugated

**Concentration**

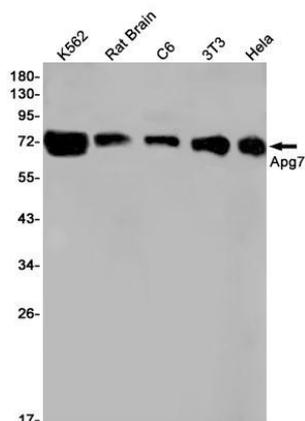
1 mg/mL

**Formulation**

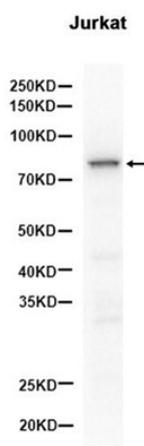
PBS Only

**Storage Stability**

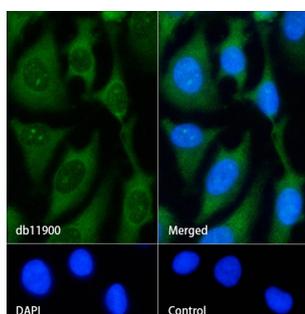
Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of Apg7 in K562,Rat Brain,C6,3T3,HeLa cell lysates using Apg7 antibody(1:1000 diluted).



Western blot analysis of extracts from A431 cells and Rat kidney tissue using db11900 at 1:10000.



Immunofluorescence analysis of HeLa cells labelling ATG7 with db11900.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 db11900 (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.