

Recombinant

DGRmAb®

**Phospho-ATG16L1 (Ser278) (DGR20461) Rabbit mAb (PBS Only)**

db13896-PBS

Package : 100µg

**Product Name** : Phospho-ATG16L1 (Ser278) (DGR20461) Rabbit mAb (PBS Only)**Cat.No.:** db13896-PBS**Synonyms** : WDR30; Apg16l; Atg16l; 1500009K01Rik**Application** : WB**Reactivity** : Mouse**Host species** : Rabbit**Background**

Plays an essential role in autophagy: interacts with ATG12-ATG5 to mediate the conjugation of phosphatidylethanolamine (PE) to LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C), to produce a membrane-bound activated form of LC3 named LC3-II. Thereby, controls the elongation of the nascent autophagosomal membrane (PubMed:18849966, PubMed:12665549, PubMed:24954904, PubMed:24553140, PubMed:23392225). Regulates mitochondrial antiviral signaling (MAVS)-dependent type I interferon (IFN-I) production (By similarity). Negatively regulates NOD1- and NOD2-driven inflammatory cytokine response (PubMed:24238340). Instead, promotes with NOD2 an autophagy-dependent antibacterial pathway. Plays a role in regulating morphology and function of Paneth cell.

**Immunogen**

A synthetic phosphopeptide corresponding to residues surrounding Ser278 of mouse ATG16L1

**Gene ID**

77040

**Swiss Prot**

Q8C0J2

**Synonyms**

WDR30; Apg16l; Atg16l; 1500009K01Rik

**Reactivity**

Mouse

**Application**

WB

**Calculated MW**

68 kDa

**Observed MW**

68 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR20461

**Isotype**

IgG

<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/mL
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	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.