Recombinant DGRmAb®

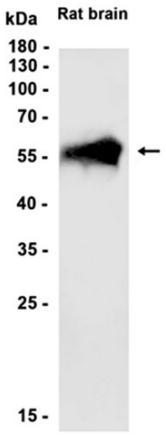
APG5L/ATG5 (DGR15109) Rabbit mAb (PBS Only)

db13177-PBS **Package : 10μg 100μg**

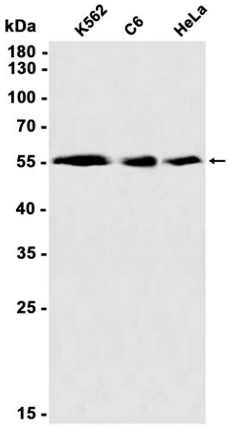
Product Name : APG5L/ATG5 (DGR15109) Rabbit mAb (PBS Only)
Cat.No.: db13177-PBS
Synonyms : ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE
Application : WB, IHC-P, ICC/IF, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene. [provided by RefSeq, Sep 2015]
Immunogen	A synthetic peptide of human APG5L/ATG5
Gene ID	9474
Swiss Prot	Q9H1Y0
Synonyms	ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, IP
Calculated MW	33 kDa
Observed MW	55 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15109
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

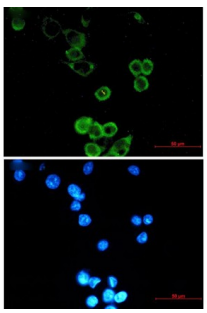
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



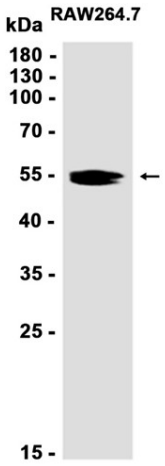
Western blot analysis of extracts from Rat brain tissue using db13177 at 1:1000.



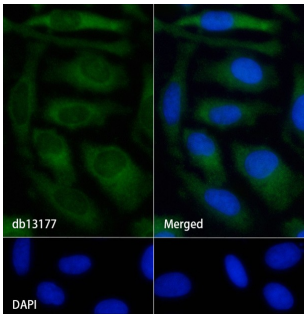
Western blot analysis of extracts from K562, C6, HeLa cells using db13177 at 1:1000.



Immunofluorescent analysis of MCF-7 cells using db13177 antibody (green), and DAPI (blue).



Western blot analysis of extracts from RAW264.7 cells using db13177 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling APG5L/ATG5 with db13177.

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 db13177 (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.