Recombinant DGRmAb®

LC3B (DGR11871) Rabbit mAb

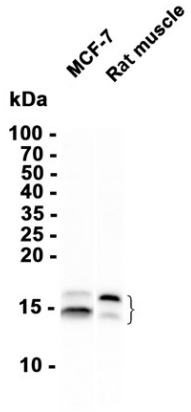
db15555 **Package : 10μL 20μL 50μL 100μL**

Product Name : LC3B (DGR11871) Rabbit mAb
Cat.No.: db15555
Synonyms : LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3
Application : WB, IHC, ICC/IF
Reactivity : Human, Mouse, Rat, Pig
Host species : Rabbit

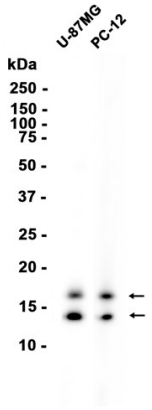
Background	The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human LC3B
Gene ID	81631, 67443, 64862
Swiss Prot	Q9GZQ8, Q9CQV6, Q62625
Synonyms	LC3B; ATG8F; MAP1LC3B-a; MAP1A/1BLC3
Reactivity	Human, Mouse, Rat, Pig
Application	WB, IHC, ICC/IF
Recommended dilution	WB: 1:1000-1:5000 IHC: 1:500-1:2000 ICC/IF: 1:1000
Calculated MW	15 kDa
Observed MW	14,16 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11871
Isotype	IgG
Purity	Affinity Purification

Conjugation Un-conjugated

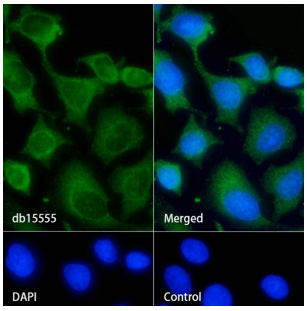
Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from MCF-7 cells and Rat muscle tissue using db15555 at 1:4000.



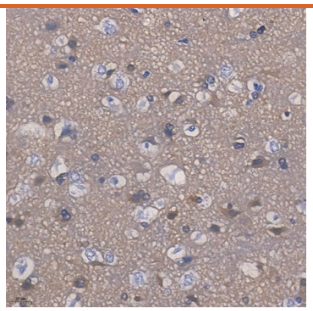
Western blot analysis of extracts from U-87 MG, PC-12 cells using db15555 at 1:1000.



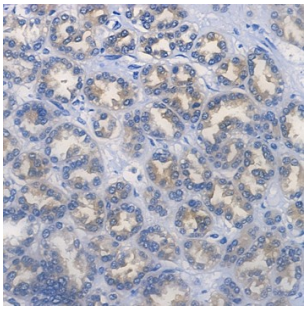
Immunofluorescence analysis of HeLa cells labelling LC3B with db15555.

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 db15555 (1:500) 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.



Immunohistochemical analysis of paraffin-embedded human glioblastoma tissue labeling LC3B with db15555. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue labeling LC3B with db15555. Counter stained with Hematoxylin.