



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

BackgroundThe 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



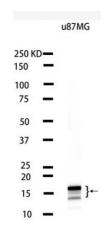
For Research Use Only **Product Datasheet**

Conjugation

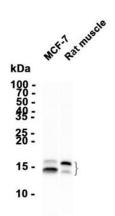
Un-conjugated

Storage Stability

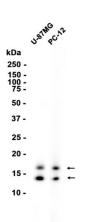
Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



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



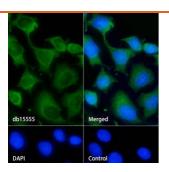
Western blot analysis of extracts from MCF-7 cells and Rat muscle tissue using db15555 at 1:4000.



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° 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 db15555 (1:500) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit lgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.