

Datasheet for ABIN363542
anti-LC3B antibody (N-Term)

2 Images



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Overview

Quantity:	0.1 mL
Target:	LC3B (MAP1LC3B)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunoelectron Microscopy (IEM)

Product Details

Immunogen:	Synthetic peptide made to the N-terminal region of the human LC3, isoform B protein
Specificity:	Reacts with LC3B from human, mouse, rat and bovine and Zebrafish
Cross-Reactivity (Details):	Other species have not been tested.
Purification:	Antigen affinity purified

Target Details

Target:	LC3B (MAP1LC3B)
Alternative Name:	Light Chain 3 beta (LC3B) (MAP1LC3B Products)
Background:	Ubiquitin-like modifier involved in formation of autophagosomal vacuoles (autophagosomes). Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and

Target Details

preventing excess ROS production. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation. Promotes primary ciliogenesis by removing OFD1 from centriolar satellites via the autophagic pathway.

Gene ID: 81631

Pathways: [Autophagy](#)

Application Details

Application Notes: Working dilution: Optimal dilution should be determined by the end user.
The following are guidelines only :
ICC/IF(1:2000) FC (1:200) IHC (1:400) WB (1:1000)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

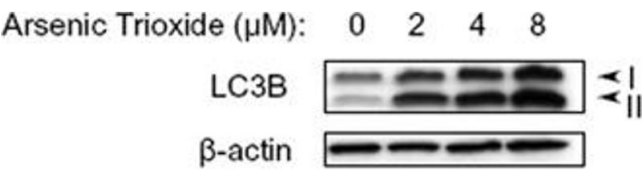
Buffer: PBS, Sodium azide 0.05 %

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C/-80 °C

Storage Comment: Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.



Detection of LC3B in treated U87-MG (human glioblastoma astrocytoma) lysates using pab50233

Image 1.



Staining of treated U373-MG (human glioblastoma) cells using pab50233

Image 2.