

Datasheet for ABIN7140915
anti-LC3B antibody (AA 1-116) (HRP)



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Overview

Quantity:	100 µg
Target:	LC3B (MAP1LC3B)
Binding Specificity:	AA 1-116
Reactivity:	Candida sp.
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LC3B antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Candida glabrata Autophagy-related protein 8 protein (1-116AA)
Isotype:	IgG
Cross-Reactivity:	Candida sp.
Purification:	>95%, Protein G purified

Target Details

Target:	LC3B (MAP1LC3B)
Alternative Name:	ATG8 (MAP1LC3B Products)
Background:	Background: Ubiquitin-like modifier involved in cytoplasm to vacuole transport (Cvt) vesicles and autophagosomes formation. With ATG4, mediates the delivery of the vesicles and

Target Details

autophagosomes to the vacuole via the microtubule cytoskeleton. Required for selective autophagic degradation of the nucleus (nucleophagy) as well as for mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Participates also in membrane fusion events that take place in the early secretory pathway. Also involved in endoplasmic reticulum-specific autophagic process and is essential for the survival of cells subjected to severe ER stress. The ATG8-PE conjugate mediates tethering between adjacent membranes and stimulates membrane hemifusion, leading to expansion of the autophagosomal membrane during autophagy.

Aliases: ATG8 antibody, AUT7 antibody, CAGLOA04675gAutophagy-related protein 8 antibody, Autophagy-related ubiquitin-like modifier ATG8 antibody

UniProt: [Q6FXR8](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.