Datasheet for ABIN540836

anti-LC3B antibody (AA 1-50)

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Overview

Quantity:	100 µL
Target:	LC3B (MAP1LC3B)
Binding Specificity:	AA 1-50
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LC3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of MAP1LC3B.
Immunogen:	A synthetic peptide corresponding to amino acids 1-50 at N-terminus of human MAP1LC3B.
Specificity:	This antibody is specific to the B isoform of LC3.
Cross-Reactivity:	Human, Mouse

Target Details

Target:	LC3B (MAP1LC3B)
Alternative Name:	LC3B (MAP1LC3B Products)
Gene ID:	81631

Target Details

Pathways:	Autophagy

Application Details

Application Notes:	Flow Cytometry (1:200) Immunocytochemistry (1:2000) Immunofluorescence (1:2000) Immunohistochemistry (Frozen sections) (1:2000) Western Blot (1:3000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.02 % sodium azide)
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:	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Rodriguez-Ortiz, Flores, Valenzuela, Rodriguez, Zumkehr, Tran, Kimonis, Kitazawa: "The Myoblast C2C12 Transfected with Mutant Valosin-Containing Protein Exhibits Delayed Stress Granule Resolution on Oxidative Stress." in: **The American journal of pathology**, Vol. 186, Issue 6, pp. 1623-34, (2016) (PubMed). Pyo, Nah, Kim, Lee, Heo, Lee, Jung: "Compensatory activation of ERK1/2 in Atg5-deficient mouse embryo fibroblasts suppresses oxidative stress-induced cell death." in: **Autophagy**, Vol. 4, Issue 3, pp. 315-21, (2008) (PubMed). Tafani, Schito, Anwar, Indelicato, Sale, Di Vito, Morgante, Beraldi, Makovec, Letari, Caselli,

Publications

Spadafora, Pucci, Russo: "Induction of autophagic cell death by a novel molecule is increased by hypoxia." in: **Autophagy**, Vol. 4, Issue 8, pp. 1042-53, (2008) (PubMed).

Gao, Yeh, Lu, Hsu, Chen, Lee, Feng, Chen, Kuo, Cheng: "OSU-03012, a novel celecoxib derivative, induces reactive oxygen species-related autophagy in hepatocellular carcinoma." in: **Cancer research**, Vol. 68, Issue 22, pp. 9348-57, (2008) (PubMed).

Aoki, Takada, Kondo, Sawaya, Aggarwal, Kondo: "Evidence that curcumin suppresses the growth of malignant gliomas in vitro and in vivo through induction of autophagy: role of Akt and extracellular signal-regulated kinase signaling pathways." in: **Molecular pharmacology**, Vol. 72, Issue 1, pp. 29-39, (2007) (PubMed).

Images

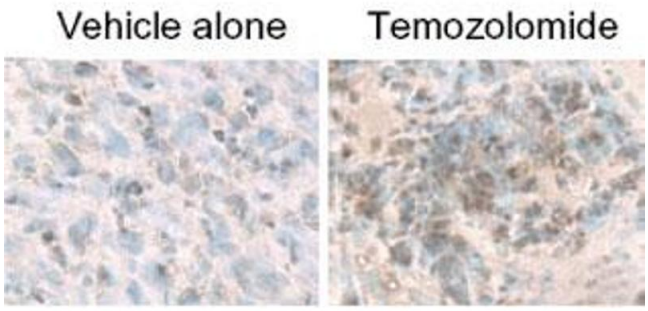


Image 1. LC3B staining of MAP1LC3B in treated U87-MG cultured & subcutaneous tumors using MAP1LC3B polyclonal antibody .

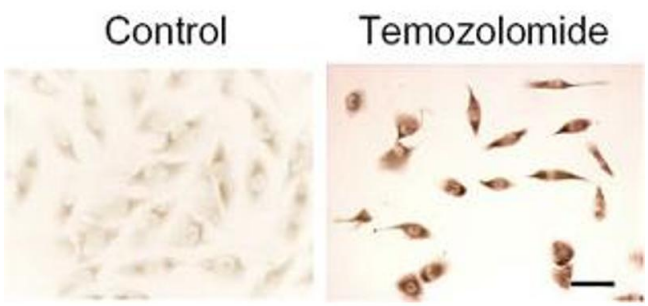
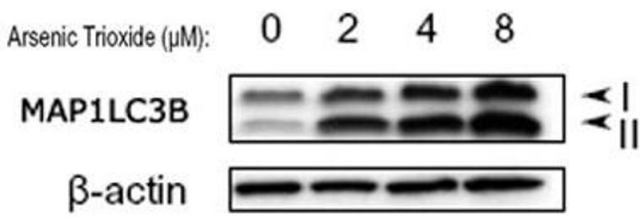


Image 2. Staining of MAP1LC3B on treated U373-MG (human glioblastoma) cells using MAP1LC3B polyclonal antibody .



Western Blotting

Image 3. Western blot analysis of MAP1LC3B in treated U87 MG (human glioblastoma astrocytoma) lysates using MAP1LC3B polyclonal antibody .

Please check the product details page for more images. Overall 5 images are available for ABIN540836.