

Datasheet for ABIN1881524

anti-MAP1LC3A antibody (pSer12)[Go to Product page](#)**1** Image**5** Publications

Overview

Quantity:	400 µL
Target:	MAP1LC3A
Binding Specificity:	pSer12
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP1LC3A antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This MAP1LC3A Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S12 of human MAP1LC3A.
Clone:	RB30640
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MAP1LC3A
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Target Details

Alternative Name:	MAP1LC3A (MAP1LC3A Products)
Background:	MAP1A and MAP1B are microtubule-associated proteins which mediate the physical interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene.
NCBI Accession:	NP_115903 , NP_852610
UniProt:	Q9H492 , Q9GZQ8
Pathways:	Autophagy

Application Details

Application Notes:	DB: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Scherz-Shouval, Weidberg, Gonen, Wilder, Elazar, Oren: "p53-dependent regulation of autophagy protein LC3 supports cancer cell survival under prolonged starvation." in: Proceedings of the National Academy of Sciences of the United States of America , Vol. 107, Issue 43, pp. 18511-6, (2010) (PubMed).
	Cherra, Kulich, Uechi, Balasubramani, Mountzouris, Day, Chu: "Regulation of the autophagy protein LC3 by phosphorylation." in: The Journal of cell biology , Vol. 190, Issue 4, pp. 533-9, (

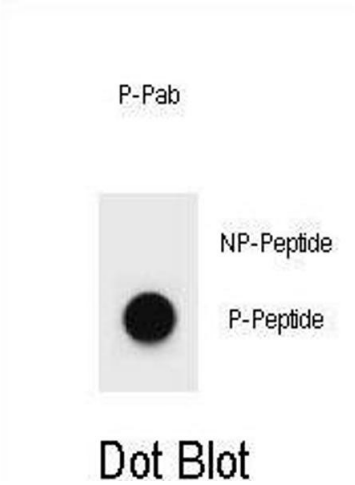
2010) ([PubMed](#)).

Namgoong, Khanal, Cho, Lim, Oh, Kang, Shim, Shim, Yoo, Choi: "The prolyl isomerase Pin1 induces LC-3 expression and mediates tamoxifen resistance in breast cancer." in: **The Journal of biological chemistry**, Vol. 285, Issue 31, pp. 23829-41, (2010) ([PubMed](#)).

Jiang, Cheng, Liu, Peng, Feng: "Protein kinase C inhibits autophagy and phosphorylates LC3." in: **Biochemical and biophysical research communications**, Vol. 395, Issue 4, pp. 471-6, (2010) ([PubMed](#)).

Gao, Cao, Bao, Zuo, Xie, Cai, Fu, Zhang, Wu, Zhang, Chen: "Autophagy negatively regulates Wnt signalling by promoting Dishevelled degradation." in: **Nature cell biology**, Vol. 12, Issue 8, pp. 781-90, (2010) ([PubMed](#)).

Images



Dot Blot

Image 1. Dot blot analysis of P1LC3A Antibody (Phospho S12) Phospho-specific Pab (ABIN1881524 and ABIN2839954) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.