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Datasheet for ABIN1881082

anti-ATG4B antibody (AA 250-290)

1 Image

1 Publication

Overview

Quantity:	400 µL
Target:	ATG4B
Binding Specificity:	AA 250-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG4B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ATG4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-290 amino acids from the Central region of human ATG4B.
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Zf, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ATG4B
Alternative Name:	ATG4B (ATG4B Products)
Background:	Cysteine protease required for autophagy, which cleaves the C-terminal part of either

Target Details

MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes.

Molecular Weight: 44294

NCBI Accession: [NP_037457](#), [NP_847896](#)

UniProt: [Q9Y4P1](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: WB: 1:1000

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: Sun, Sun, Chen, Liao, He, Wang, Chen, Hu, Qiu: "microRNA-27b shuttled by mesenchymal stem cell-derived exosomes prevents sepsis by targeting JMJD3 and downregulating NF-κB signaling pathway." in: **Stem cell research & therapy**, Vol. 12, Issue 1, pp. 14, (2021) ([PubMed](#)).

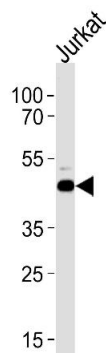
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Youn, Friesen, Kishimoto, Henne, Kurat, Ye, Ceccarelli, Sicheri, Kohlwein, McMahon, Andrews: "Dissecting BAR domain function in the yeast Amphiphysins Rvs161 and Rvs167 during endocytosis." in: **Molecular biology of the cell**, Vol. 21, Issue 17, pp. 3054-69, (2010) ([PubMed](#)).

Qian, Shi, Pang, Wu, Yu, Li, Wang, Zhou: "[Identification and expression of two new secretory proteins associated with prostate cancer]." in: **Yi chuan = Hereditas / Zhongguo yi chuan xue hui bian ji**, Vol. 32, Issue 3, pp. 235-41, (2010) ([PubMed](#)).

Hwangbo, Kim, Lee, Lee: "Activation of the integrin effector kinase focal adhesion kinase in cancer cells is regulated by crosstalk between protein kinase Calpha and the PDZ adapter protein mda-9/Syntenin." in: **Cancer research**, Vol. 70, Issue 4, pp. 1645-55, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. ATG4B Antibody (Center) (ABIN1881082 and ABIN2838473) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the ATG4B antibody detected the ATG4B protein (arrow).