abcam

Product datasheet

Anti-ATG4C antibody ab89417

2 Images

Overview

Product name	Anti-ATG4C antibody
Description	Mouse polyclonal to ATG4C
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Full length Human ATG4C (NP_116241.2, amino acids 1-458)
Positive control	Human kidney tissue lysate, ATG4C transfected 293T cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab89417 in the following tested applications.

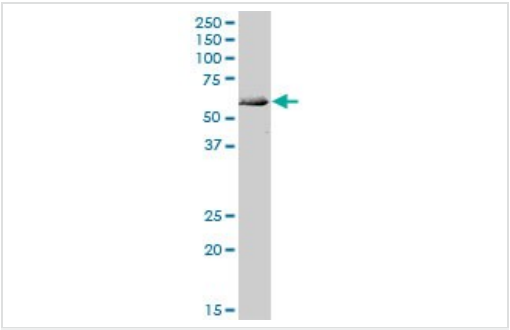
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 52 kDa.

Target

Function	Cysteine protease required for autophagy, which cleaves the C-terminal part of either 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.
Tissue specificity	Highly expressed in skeletal muscle, heart, liver and testis.
Sequence similarities	Belongs to the peptidase C54 family.
Cellular localization	Cytoplasm.

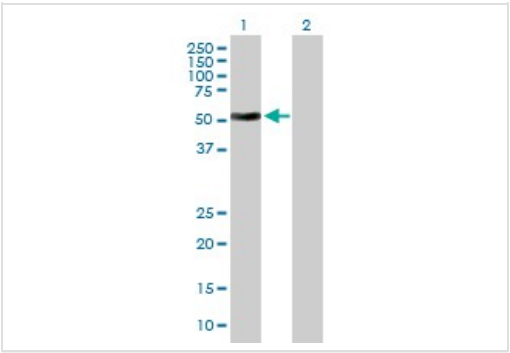
Images



Western blot - Anti-ATG4C antibody (ab89417)

Anti-ATG4C antibody (ab89417) at 1 µg/ml + human kidney tissue lysate at 50 µg

Predicted band size: 52 kDa
Observed band size: 58 kDa



Western blot - Anti-ATG4C antibody (ab89417)

All lanes : Anti-ATG4C antibody (ab89417) at 1 µg/ml

Lane 1 : ATG4C transfected 293T cell lysate
Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 52 kDa
Observed band size: 52 kDa

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