

## Product datasheet

# Anti-ATG4C antibody ab110152

1 Image

### Overview

<b>Product name</b>	Anti-ATG4C antibody
<b>Description</b>	Rabbit polyclonal to ATG4C
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Horse, Cat, Dog
<b>Immunogen</b>	Synthetic peptide sequence derived from a region within amino acids 175-224 (TISLKETIGKYSDDHEMRNEVYHRKIISWFGDSPLALFGLHQLIEYGKK S) of Human ATG4C (NP_835739). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	721_B cell lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituents: PBS, 2% Sucrose
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab110152** 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. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

## Target

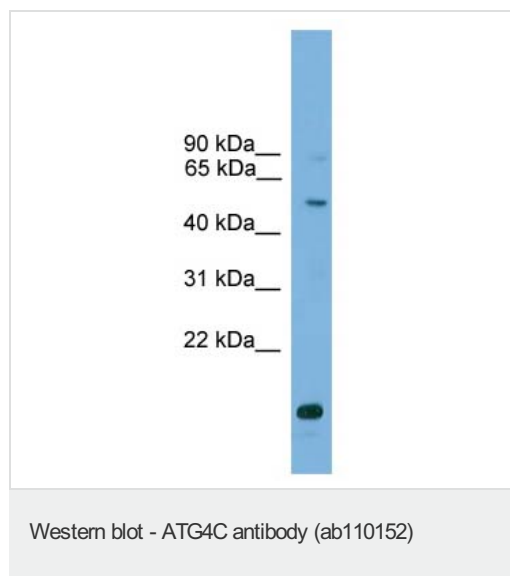
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<b>Function</b>	Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). 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.
<b>Tissue specificity</b>	Highly expressed in skeletal muscle, heart, liver and testis.
<b>Sequence similarities</b>	Belongs to the peptidase C54 family.
<b>Cellular localization</b>	Cytoplasm.

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## Images

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Anti-ATG4C antibody (ab110152) at 1 µg/ml +  
721\_B cell lysate at 10 µg

**Predicted band size:** 52 kDa

Gel concentration 12%

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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