

Product datasheet

Anti-GABARAP antibody ab1398

★★★★★ 1 Abreviews 2 References 1 Image

Overview

Product name	Anti-GABARAP antibody
Description	Rabbit polyclonal to GABARAP
Host species	Rabbit
Specificity	This antibody recognizes human GABARAP (14 kD).
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide: RSEGEKIRKKYPDRV , corresponding to amino acids 15-31 of Human GABARAP. Run BLAST with Run BLAST with

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	PBS with 0.02% sodium azide
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab1398** 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
ELISA		

Application	Abreviews	Notes
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WB



Application notes

Western Blot: use at 1:500-1:1,000 dilution.
ELISA: use at 1:1,000-1:5,000 dilution

Target

Function

Ubiquitin-like modifier that plays a role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton. Involved in apoptosis. Involved in autophagy. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.

Tissue specificity

Heart, brain, placenta, liver, skeletal muscle, kidney and pancreas.

Sequence similarities

Belongs to the ATG8 family.

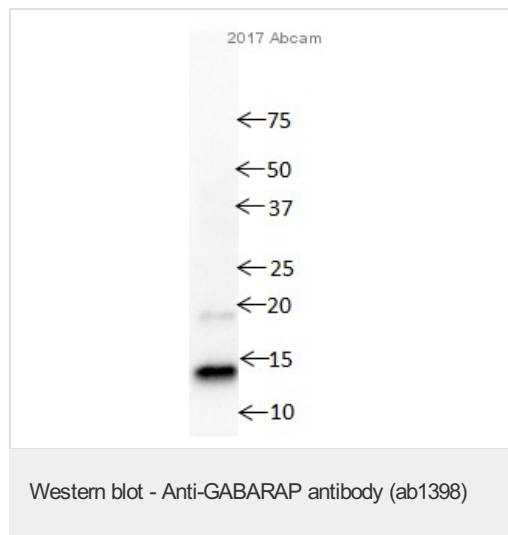
Post-translational modifications

The precursor molecule is cleaved by ATG4B to form the cytosolic form, GABARAP-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, GABARAP-II.

Cellular localization

Endomembrane system. Cytoplasm, cytoskeleton. Golgi apparatus membrane. Cytoplasmic vesicle, autophagosome. Largely associated with intracellular membrane structures including the Golgi apparatus and postsynaptic cisternae. Colocalizes with microtubules (By similarity). Localizes also to discrete punctae along the ciliary axoneme (By similarity).

Images



Western blot - Anti-GABARAP antibody (ab1398)

Anti-GABARAP antibody (ab1398) at 1 µg/ml
+ Macrophage whole cell lysate at 80 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/5000 dilution

Developed using the ECL technique.

Observed band size: 14 kDa

Exposure time: 30 seconds

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