

**GABARAPL2 Antibody**  
Rabbit mAb  
Catalog # AP91485**Specification****GABARAPL2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P60520</a>
Reactivity	Rat
Clonality	Monoclonal

**Other Names**

ATG8C; FLC3A; GABA(A) receptor-associated protein-like 2; Gabarapl2; Ganglioside expression factor 2; GATE16; GEF2; General protein transport factor p16;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	13667 Da

**GABARAPL2 Antibody - Additional Information**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human GABARAPL2</b>
Description	<b>Involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**GABARAPL2 Antibody - Protein Information**

**Name** GABARAPL2 ([HGNC:13291](#))

**Synonyms** FLC3A, GEF2

**Function**

Ubiquitin-like modifier involved in intra-Golgi traffic (By similarity). Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation (By similarity). It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1 (By similarity). Involved in autophagy (PubMed: [20418806](http://www.uniprot.org/citations/20418806), PubMed: [23209295](http://www.uniprot.org/citations/23209295)). Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular

energy requirements and preventing excess ROS production (PubMed:<a href="http://www.uniprot.org/citations/20418806" target="\_blank">20418806</a>, PubMed:<a href="http://www.uniprot.org/citations/23209295" target="\_blank">23209295</a>). Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (PubMed:<a href="http://www.uniprot.org/citations/20418806" target="\_blank">20418806</a>, PubMed:<a href="http://www.uniprot.org/citations/23209295" target="\_blank">23209295</a>).

#### Cellular Location

Cytoplasmic vesicle, autophagosome. Endoplasmic reticulum membrane. Golgi apparatus {ECO:0000250|UniProtKB:P60519}

#### Tissue Location

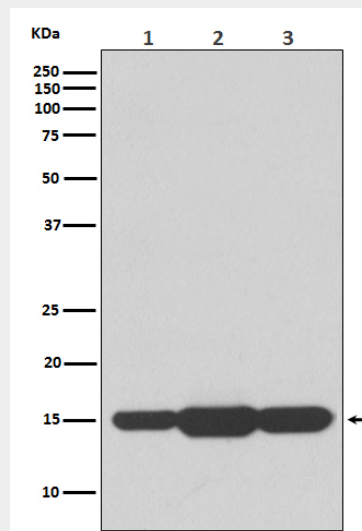
Ubiquitous. Expressed at high levels in the brain, heart, prostate, ovary, spleen and skeletal muscle. Expressed at very low levels in lung, thymus and small intestine

### GABARAPL2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GABARAPL2 Antibody - Images



Western blot analysis of GABARAPL2 expression in (1) HeLa cell lysate; (2) Mouse spleen lysate; (3) Rat brain lysate.