

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

Application	WB
Primary Accession	P60520
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

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GABARAPL2
Description	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.
Storage Condition and Buffer	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.

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:20418806, PubMed:23209295). 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:20418806, PubMed:23209295).

Cellular Location

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

Tissue Location

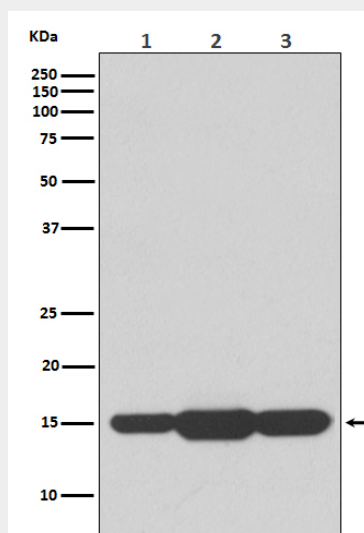
Ubiquitous. Expressed at high levels in the brain, heart, prostate, ovary, spleen and skeletal muscle. Expressed at very low levels in lung, thymus and small intestine

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.