

GABARAP Rabbit mAb
Catalog # AP77763**Specification**

GABARAP Rabbit mAb - Product Information

Application	WB
Primary Accession	O95166
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	13918

GABARAP Rabbit mAb - Additional Information

Gene ID 11337

Other Names

GABARAP

Dilution

WB~~1/500-1/1000

Format

Liquid

GABARAP Rabbit mAb - Protein InformationName GABARAP ([HGNC:4067](#))

Synonyms FLC3B

Function

Ubiquitin-like modifier that plays a role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton (PubMed: [9892355](http://www.uniprot.org/citations/9892355)). Involved in autophagy: while LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (PubMed: [15169837](http://www.uniprot.org/citations/15169837), PubMed: [20562859](http://www.uniprot.org/citations/20562859), PubMed: [22948227](http://www.uniprot.org/citations/22948227)). Through its interaction with the reticulophagy receptor TEX264, participates in the remodeling of subdomains of the endoplasmic reticulum into autophagosomes upon nutrient stress, which then fuse with lysosomes for endoplasmic reticulum turnover (PubMed: [31006538](http://www.uniprot.org/citations/31006538)). Also required for the local activation of the CUL3(KBTBD6/7) E3 ubiquitin ligase complex, regulating ubiquitination and degradation of TIAM1, a guanyl-nucleotide exchange factor (GEF) that activates RAC1 and downstream signal transduction (PubMed: [25684205](http://www.uniprot.org/citations/25684205)). Thereby, regulates different biological processes including the organization of the cytoskeleton, cell

migration and proliferation (PubMed:25684205). Involved in apoptosis (PubMed:15977068).

Cellular Location

Cytoplasmic vesicle, autophagosome membrane. Endomembrane system {ECO:0000250|UniProtKB:P60517}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P60517}. Golgi apparatus membrane {ECO:0000250|UniProtKB:P60517}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:P60517}. Note=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). {ECO:0000250|UniProtKB:P60517, ECO:0000250|UniProtKB:Q9DCD6}

Tissue Location

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

GABARAP Rabbit mAb - 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](#)

GABARAP Rabbit mAb - Images

