

GABARAPL3 Rabbit pAb

Catalog # AP97448

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BY60
Other Accession	Q9BY60
Predicted	Rat, Pig, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13976
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GABARAPL3
Epitope Specificity	1-100/117
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ATG8 family.
SUBUNIT	Interacts with GABRG2 and beta-tubulin (By similarity).
Post-translational modifications	The precursor molecule is cleaved by ATG4B to form the cytosolic form, GABARAPL3-I. This is activated by APG7L/ATG7, transferred to ATG3 and conjugated to phospholipid to form the membrane-bound form, GABARAPL3-II. ATG4B also mediates the delipidation required for GABARAPL1 recycling when autophagosomes fuse with lysosomes (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Other Names	ATG8D; GBRL3_HUMAN; GABARAPL3; GABA(A) receptor-associated protein-like 3; GABA type A receptor associated protein like 3 (pseudogene); GABA(A) receptors associated protein like 3; GABA(A) receptors associated protein like 3 (pseudogene); GABA(A) receptors associated protein like 3, pseudogene
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GABARAPL3
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Function	Ubiquitin-like modifier involved in autophagosome formation. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation (By similarity).
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasmic vesicle, autophagosome membrane; Lipid-anchor
Tissue Location	Ubiquitous. Expressed at very high levels in the brain, heart, peripheral blood leukocytes, liver, kidney, placenta and skeletal muscle. Expressed at very low levels in thymus and small intestine.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.