Rabbit GABARAPL2 Polyclonal Antibody | anti-GABARAPL2 antibody

GABARAPL2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40548	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

GABARAPL2; Polyclonal Antibody; GABARAPL2 Antibody; ATG8; GEF2; ATG8C; GEF-2; GATE16; GATE-16; FLC3A; Gamma-aminobutyric acid receptor-associated protein-like 2; Ganglioside expression factor 2; GABA(A) receptor-associated protein-like 2; anti-GABARAPL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GABARAPL2 antibody is human, mouse and rat reactive. Multiple isoforms of GABARAPL2 are known to exist.
Purity/Purification	GABARAPL2 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	117
Applicable Applications for anti-GABARAPL2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	GABARAPL2 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human GABARAPL2.
Buffer	GABARAPL2 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	GABARAPL2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES

IF (Immunofluorescence)
Immunofluorescence of GABARAPL2 in mouse brain tissue with GABARAPL2 Antibody at 20 μg/mL.Green: GABARAPL2 Antibody (7895)Blue: DAPI staining

IHC (Immunohistochemistry)
Immunohistochemistry of GABARAPL2 in mouse brain tissue with GABARAPL2 Antibody at 5 μg/mL.

IF (Immunofluorescence)
Immunofluorescence of GABARAPL2 in rat brain tissue with GABARAPL2 antibody at 20 μg/mL.

IHC (Immunohiostchemistry)
Immunohistochemistry of GABARAPL2 in rat brain tissue with GABARAPL2 antibody at 5 μg/mL.

WB (Western Blot)
Western blot analysis of GABARAPL2 in human brain tissue lysate with GABARAPL2 antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GABARAPL2 antibody	Gamma-aminobutyric acid (GABA) is the main inhibitory transmitter by increasing a Cl-conductance that inhibits neuronal firing in the central nervous system (1). It has been shown to activate both ionotropic (GABAA) and metabotropic (GABAB) receptors as well as a third class of receptors called GABAC (2). GABARAPL2 (GABAA receptor-associated protein-like 2), also known as GATE16, was initially identified as a membrane transport modulator and is a mammalian ortholog to the autophagy protein ATG8 (3,4). It is thought that GABARAPL2 and other members of the ATG8 family act as scaffolds for assembly of the Unc-51 like kinase (ULK) complex in the formation of autophagosomes (5).

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005768
NCBI GeneID	11345
NCBI Accession #	NP_009216
NCBI GenBank Nucleotide #	NM_007285.6
UniProt Accession #	P60520; O08765; Q6FG91; Q9DCP8; Q9UQF7
Molecular Weight	Predicted: 13 kDa Observed: 13 kDa
NCBI Official Full Name	gamma-aminobutyric acid receptor-associated protein-like 2
NCBI Official Synonym Full Names	GABA(A) receptor-associated protein-like 2
NCBI Official Symbol	GABARAPL2
NCBI Official Synonym Symbols	ATG8; GEF2; ATG8C; GEF-2; GATE16; GATE-16
NCBI Protein Information	gamma-aminobutyric acid receptor-associated protein-like 2; ganglioside expression factor 2; MAP1 light chain 3 related protein; MAP1 light chain 3-related protein; general protein transport factor p16; golgi-associated ATPase enhancer of 16 kDa
UniProt Protein Name	Gamma-aminobutyric acid receptor-associated protein-like 2
UniProt Gene Name	**GABARAPL2**
UniProt Synonym Gene Names	FLC3A; GEF2; GEF-2; GATE-16
UniProt Entry Name	GBRL2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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