



Rabbit Anti-GABARAP antibody

SL12082R

Product Name:	GABARAP
Chinese Name:	γ -氨基丁酸受体相关蛋白抗体
Alias:	ATG8A; FLC 3B; FLC3B; FLJ25768; GABA(A) receptor associated protein; GABA(A) receptor-associated protein; GABARAP a; GABARAP; Gamma aminobutyric acid receptor associated protein; Gamma-aminobutyric acid receptor-associated protein; GBRAP HUMAN; MGC120154; MGC120155; MM 46; MM46.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	14kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GABARAP:11-117/117
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Gamma-aminobutyric acid A receptors [GABA(A) receptors] are ligand-gated chloride channels that mediate inhibitory neurotransmission. This gene encodes GABA(A) receptor-associated protein, which is highly positively charged in its N-terminus and shares sequence similarity with light chain-3 of microtubule-associated proteins 1A and

1B. This protein clusters neurotransmitter receptors by mediating interaction with the cytoskeleton. [provided by RefSeq, Jul 2008]

Function:

May play a role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton.

Subunit:

Interacts with GPHN and NSF. Interacts with GABRG2, beta-tubulin and ULK1. Interacts with CALR. Interacts with DDX47. Interacts with TP53INP1 and TP53INP2. Interacts with TBC1D25.

Subcellular Location:

Endomembrane system. Cytoplasm, cytoskeleton. Golgi apparatus membrane. Largely associated with intracellular membrane structures including the Golgi apparatus and post-synaptic cisternae. Colocalizes with microtubules.

Tissue Specificity:

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

Similarity:

Belongs to the MAP1 LC3 family.

SWISS:

O95166

Gene ID:

11337

Database links:

[Entrez Gene: 11337](#) Human

[Entrez Gene: 56486](#) Mouse

[Entrez Gene: 58974](#) Rat

[Omim: 605125](#) Human

[SwissProt: O95166](#) Human

[SwissProt: Q9DCD6](#) Mouse

[SwissProt: P60517](#) Rat

[Unigene: 647421](#) Human

[Unigene: 272460](#) Mouse

[Unigene: 8411](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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