

Product datasheet for **TA336818**

GABARAP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Immunohistochemistry: 1:200, Immunocytochemistry/ Immunofluorescence: 1:100, Western Blot: 1:100-1:2000, Immunohistochemistry-Paraffin: 1:200
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to a C-terminal region of the human GABARAP protein (within residues 50-117). [Swiss-Prot O95166]
Formulation:	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	GABA type A receptor-associated protein
Database Link:	NP_009209 Entrez Gene 56486 Mouse Entrez Gene 11337 Human O95166

Background: In several neurological diseases, GABARAP expression is related to autophagic functions. In Lewy body disease and Parkinson's disease, LC3 and GABARAP are often co-localized. Autophagy is regulated both at the transcriptional and post-transcriptional level, partially by the activation of GABARAP and other core autophagy machinery proteins. Although autophagy is usually considered to be important in cellular maintenance, and breakdown of proteins and organelles in cell death, it is becoming more and more clear that it plays an important role in the developmental process, including embryogenesis. This embryological effect seems to be partly regulated by GABARAP expression and activity.



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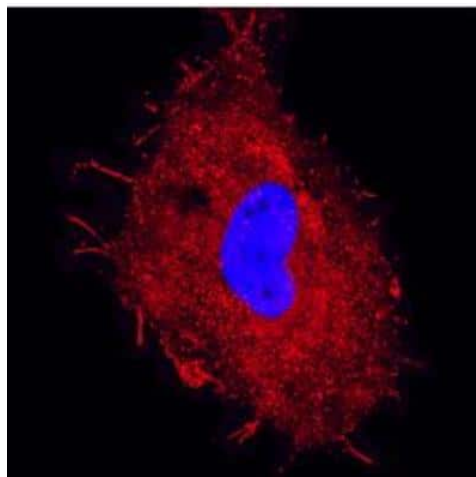
Synonyms: ATG8A; GABARAP-a; MM46

Note: This GABARAP antibody is useful for ICC/IF and IHC-P. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

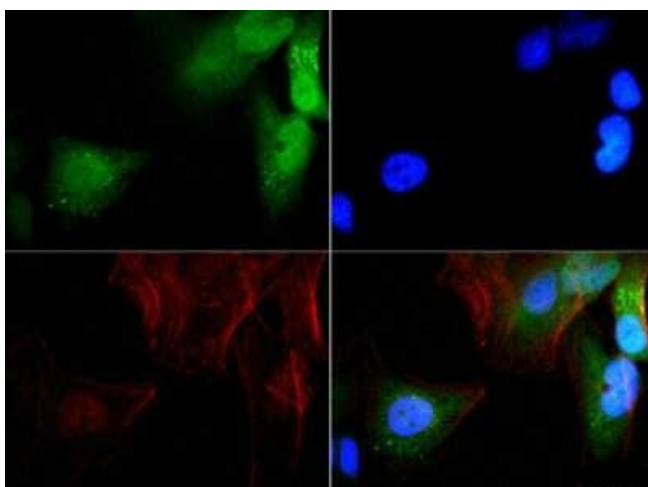
Protein Families: Druggable Genome

Protein Pathways: Regulation of autophagy

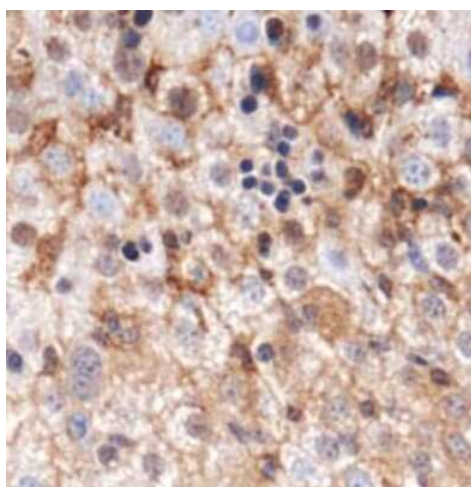
Product images:



Immunocytochemistry/Immunofluorescence:
GABARAP Antibody TA336818 - analysis of
GABARAP in Raw 264.7 cells using anti-GABARAP
antibody (red). Nuclei were counterstained with
DAPI (blue).



Immunocytochemistry/Immunofluorescence:
GABARAP Antibody TA336818 - GABARAP
antibody was tested in HeLa cells with FITC
(green). Nuclei and actin were counterstained
with Dapi (blue) and Phalloidin (red).



Immunohistochemistry: GABARAP Antibody TA336818 - Analysis of GABARAP in mouse liver using DAB with hematoxylin counterstain.