Anti-GABARAPL2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014664

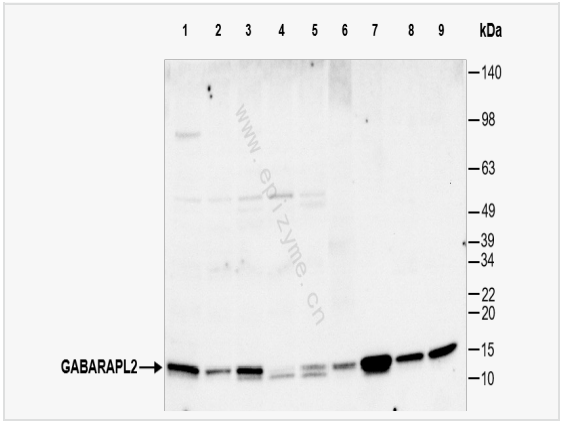
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	40Q61B09
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GABARAPL2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-GABARAPL2 Rabbit mAb [40Q61B09] is for research use only and not for use in diagnostic or therapeutic procedures.

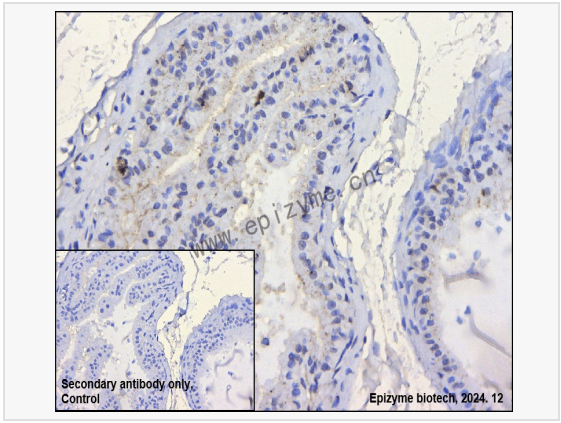
Protein Information

Synonyms	ATG8, ATG8C, FLC3A, GABA(A) receptor-associated protein-like 2, Gabarapl2, Gamma-aminobutyric acid receptor-associated protein-like 2, Ganglioside expression factor 2, GATE-16, GATE16, GBRL2_HUMAN, GEF-2, GEF2, General protein transport factor p16, Golgi-associated ATPase enhancer of 16 kDa, MAP1 light chain 3-related protein.
Calculated MW	Calculated MW: 14 kDa; Observed MW: 14 kDa
Uniprot ID	P60520
Gene ID	11345
Background	Involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1.
Cellular Location	Golgi apparatus.
Tissue Location	Ubiquitous. Expressed at high levels in the brain, heart, prostate, ovary, spleen and skeletal muscle. Expressed at very low levels in lung, thymus and small intestine.

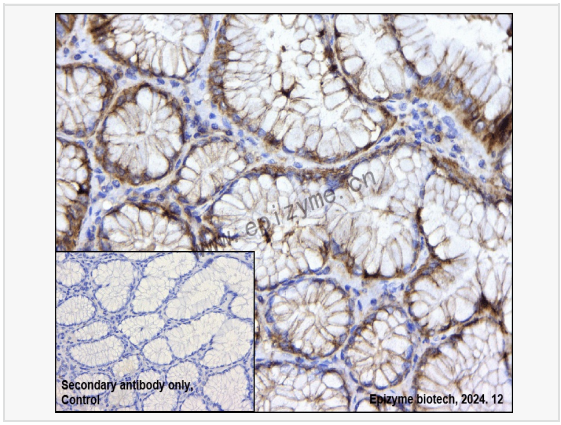
Validation Images



Western Blot - Anti-GABARAPL2 Rabbit mAb [40Q61B09]
All lanes: R014664 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 6: Mouse muscle whole tissue lysates
Lane 7: Rat brain whole tissue lysates
Lane 8: Rat heart whole tissue lysates
Lane 9: Rat kidney whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 14 kDa
Observed band size: 14 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-GABARAPL2 Rabbit mAb [40Q61B09]
Sample: Paraformaldehyde-fixed, paraffin embedded rat prostate tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014664 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-GABARAPL2 Rabbit mAb [40Q61B09]
Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014664 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.