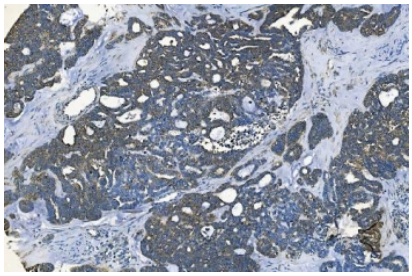
GABARAP Antibody (RQ6177)

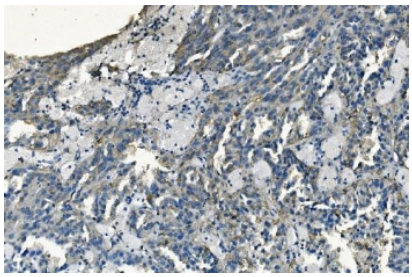
Catalog No.	Formulation	Size
RQ6177	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

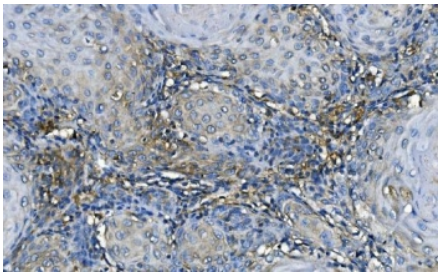
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
UniProt	O95166
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This GABARAP antibody is available for research use only.



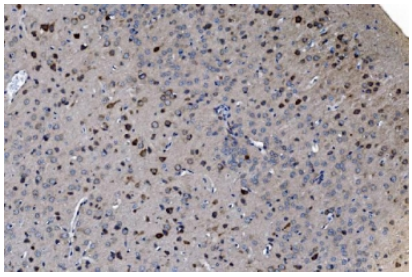
IHC staining of FFPE human ovarian cancer with GABARAP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



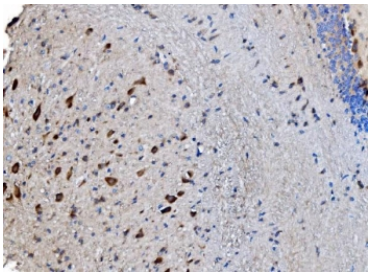
IHC staining of FFPE human renal cancer with GABARAP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



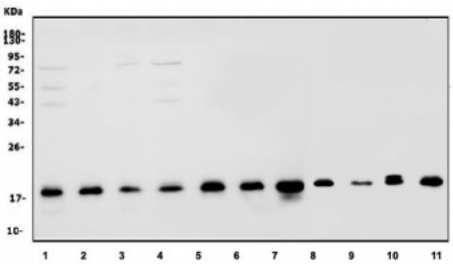
IHC staining of FFPE human esophageal squamous cancer with GABARAP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



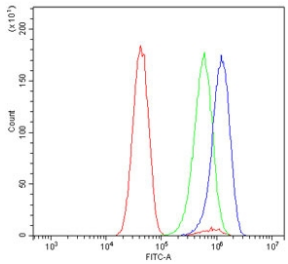
IHC staining of FFPE mouse brain with GABARAP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



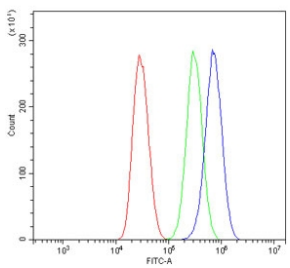
IHC staining of FFPE rat brain with GABARAP antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HEK293, 2) Jurkat, 3) A549, 4) HeLa, 5) U-87 MG, 6) HepG2, 7) U937, 8) rat liver, 9) rat pancreas, 10) mouse liver and 11) mouse pancreas lysate with GABARAP antibody. Predicted molecular weight: 14-16 kDa.



Flow cytometry testing of human U-251 cells with GABARAP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GABARAP antibody.



Flow cytometry testing of mouse HEPA1-6 cells with GABARAP antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GABARAP antibody.

Description

Gamma-aminobutyric acid receptor-associated protein is a protein that in humans is encoded by the GABARAP gene. 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.

Application Notes

Optimal dilution of the GABARAP antibody should be determined by the researcher.

Immunogen

Amino acids MKFVYKEEHPFEKRRSE from the human protein were used as the immunogen for the GABARAP antibody.

Storage

After reconstitution, the GABARAP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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