Datasheet for ABIN2868910

anti-GABARAP antibody (N-Term) (APC)

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3 Images

Overview

Quantity:	100 µg
Target:	GABARAP
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABARAP antibody is conjugated to APC
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide from the N-terminal of human GABARAP
Specificity:	Detects ~14-16 kDa.
Cross-Reactivity:	Human, Mouse
Purification:	Peptide Affinity Purified

Target Details

Target:	GABARAP
Alternative Name:	GABARAP (GABARAP Products)
Background:	Gamma-aminobutyric acid receptor-associated protein, or GABARAP, are lighand gated chloride channels that mediate inhibitory neurotransmission. It clusters neurotransmitter receptors by

Target Details

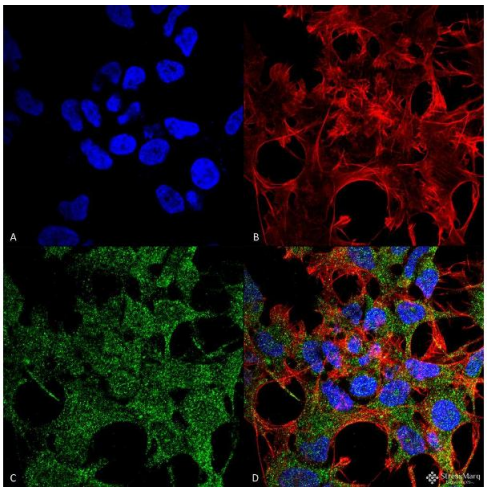
	mediating its interaction with the cytoskeleton (1).
Gene ID:	11337
NCBI Accession:	NP_009209
UniProt:	O95166
Pathways:	Autophagy

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:100) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN2868910 was sufficient for detection of GABARAP on mouse kidney lysates using Goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

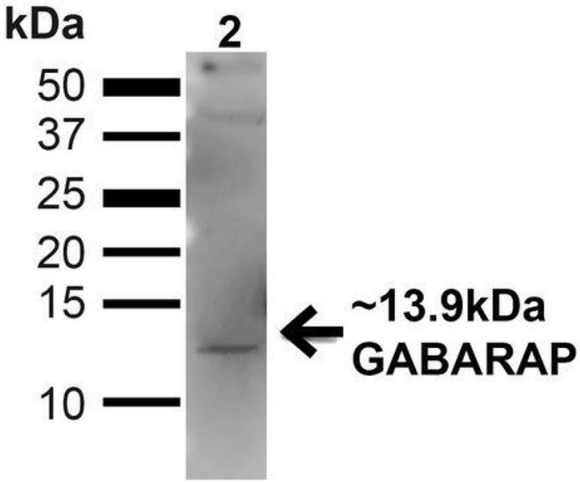
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



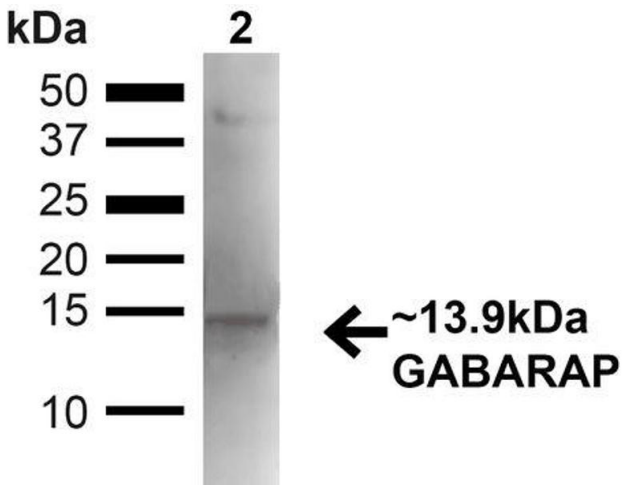
Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-GABARAP Polyclonal Antibody . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-GABARAP Polyclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Endomembrane System, Cytoplasm, Golgi Apparatus Membrane, Cytoplasmic Vesicle. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) GABARAP Antibody (D) Composite.



Western Blotting

Image 2. Western blot analysis of Human 293T showing detection of ~13.9kDa GABARAP protein using Rabbit Anti-GABARAP Polyclonal Antibody . Lane 1: MW Ladder. Lane 2: Human 293T (20 µg). Load: 20 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-GABARAP Polyclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~13.9kDa. Other Band(s): ~40kDa (Complex).



Western Blotting

Image 3. Western blot analysis of Mouse Kidney showing detection of ~13.9kDa GABARAP protein using Rabbit Anti-GABARAP Polyclonal Antibody . Lane 1: MW Ladder. Lane 2: Mouse Kidney (20 µg). Load: 20 µg. Block: 5% milk + TBST for 1 hour at RT. Primary Antibody: Rabbit Anti-GABARAP Polyclonal Antibody at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit: HRP at 1:2000 for 1 hour at RT. Color Development: TMB solution for 12 min at RT. Predicted/Observed Size: ~13.9kDa. Other Band(s): ~40kDa (Complex).