

Datasheet for ABIN650659
anti-GABARAPL2 antibody



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Overview

Quantity:	400 µL
Target:	GABARAPL2
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GABARAPL2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This GABARAPL2 antibody is generated from rabbits immunized with human GABARAPL2 recombinant protein.
Clone:	RB22734
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GABARAPL2
Alternative Name:	GABARAPL2 (GABARAPL2 Products)
Background:	Membrane proteins located on vesicles (v-SNAREs) and on the target membrane (t-SNAREs) mediate specific recognition and, possibly, fusion between a transport vesicle and its target

Target Details

membrane. The activity of SNARE molecules is regulated by several soluble cytosolic proteins. We have cloned a bovine brain cDNA encoding a conserved 117 amino acid polypeptide, denoted Golgi-associated ATPase Enhancer of 16 kDa (GATE-16), that functions as a soluble transport factor. GATE-16 interacts with N-ethylmaleimidesensitive factor (NSF) and significantly stimulates its ATPase activity. It also interacts with the Golgi v-SNARE GOS-28 in an NSF-dependent manner. We propose that GATE-16 modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation.

Molecular Weight:	13667
Gene ID:	11345
NCBI Accession:	NP_009216
UniProt:	P60520
Pathways:	Autophagy

Application Details

Application Notes:	WB: 1:500. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

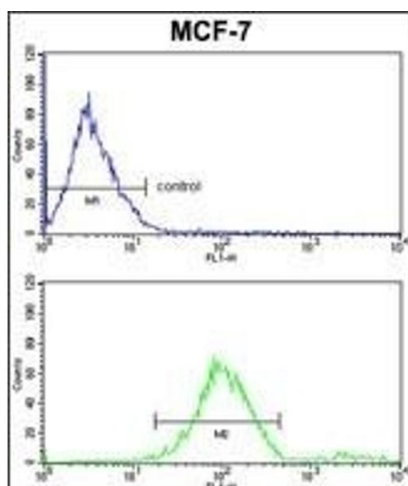
Publications

Product cited in:	Delaney, Patel, Willis, Haghighiabyaneh, Axelrod, Tancioni, Lu, Bapat, Young, Cadassou,
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Bartakova, Sheth, Haft, Hui, Saenz, Schlaepfer, Harismendy, Stupack: "Haploinsufficiency networks identify targetable patterns of allelic deficiency in low mutation ovarian cancer." in: **Nature communications**, Vol. 8, pp. 14423, (2017) ([PubMed](#)).

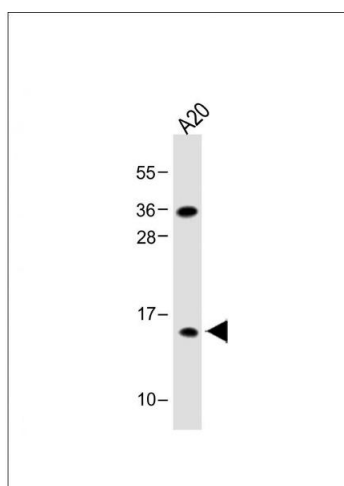
Orfali, ODonovan, Nyhan, Britschgi, Tschan, Cahill, Mongan, Gudas, McKenna: "Induction of autophagy is a key component of all-trans-retinoic acid-induced differentiation in leukemia cells and a potential target for pharmacologic modulation." in: **Experimental hematology**, Vol. 43, Issue 9, pp. 781-93.e2, (2015) ([PubMed](#)).

Images



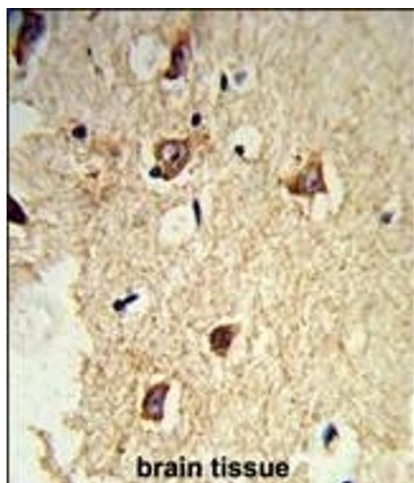
Flow Cytometry

Image 1. GABARL2 Antibody 1822d FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Anti-GABARL2 Antibody at 1:500 dilution + A20 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded mouse brain tissue reacted with GABARL2 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.