BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GABARAP Monoclonal Antibody

Catalog Number: M01907

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Overview

Product Name	Anti-GABARAP Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GABARAP Monoclonal Antibody catalog # M01907. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal ACHE-7
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O95166

Technical Details

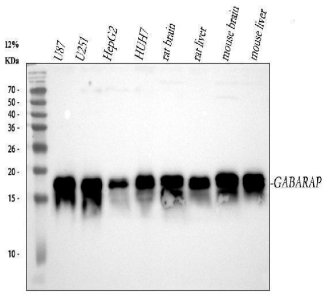
Immunogen	A synthesized peptide derived from human GABARAP GABARAP is cleaved at its carboxyl terminus, which leads to conjugation by either of the phospholipids phosphatidylethanolamine or phosphatidylserine. This processing converts GABARAP from a type I to a type II membrane bound form involved in autophagosome biogenesis. Processing of GABARAP involves cleavage by Atg4 family members followed by conjugation by the E1 and E2 like enzymes Atg7 and Atg3.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml

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Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:1000-10000 IHC, 1:50-200 ICC/IF, 1:50-200 FC, 1:50

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Anti-GABARAP Monoclonal Antibody (M01907) Images



Western blot analysis of GABARAP using anti-GABARAP antibody (M01907). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human U87 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human HUH7 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat liver tissue lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GABARAP antigen affinity purified monoclonal antibody (Catalog # M01907) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GABARAP at approximately 18 kDa. The expected band size for GABARAP is at 14 kDa.

1 Publications Citing This Product

1. PubMed ID: 32617111, Zhan LH,Dong YJ,Yang K,Lei SS,Li B,Teng X,Zhou C,Luo R,Yu QX,Jin HY,Lv GY,Chen SH.Soporific Effect of Modified Suanzaoren Decoction and Its Effects on the Expression of CCK-8 and Orexin-A.Evid Based Complement Alternat Med.2020 Jun 16;2020:6984087.doi:10.

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