Datasheet for ABIN6989697

anti-BAT3 antibody

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Overview

Quantity:	100 µL
Target:	BAT3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This BAT3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Flow Cytometry (FACS)

Product Details

Immunogen:	Synthetic Peptide within C-terminal Human BAT3.
Clone:	9H31
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	BAT3
Alternative Name:	BAT3 (BAT3 Products)
Background:	Synonyms: 2410045D21Rik antibody, AA408914 antibody, BAG 6 antibody, BAG family

Target Details

	molecular chaperone regulator 6 antibody, BAG-6 antibody, BAG6 antibody, BAG6_HUMAN antibody, BAT 3 antibody, BAT3 antibody, BCL2-associated athanogene 6 antibody, D17H6S52E antibody, D6S52E antibody, G3 antibody, HLA B associated transcript 3 antibody, HLA-B associated transcript 3 antibody, HLA-B associated transcript-3 antibody, HLA-B-associated transcript 3 antibody, large proline rich protein BAG6 antibody, Large proline rich protein BAT3 antibody, Large proline-rich protein BAG6 antibody, large proline-rich protein BAT3 antibody, Protein G3 antibody, Protein Scythe antibody, Scythe antibody, Scythe, homolog of Xenopus antibody Background: Chaperone that plays a key role in various processes such as apoptosis, insertion of tail-anchored (TA) membrane proteins to the endoplasmic reticulum membrane and regulation of chromatin. Acts in part by regulating stability of proteins and their degradation by the proteasome. Participates in endoplasmic reticulum stress-induced apoptosis via its interaction with AIFM1/AIF by regulating AIFM1/AIF stability and preventing its degradation. Also required during spermatogenesis for synaptonemal complex assembly via its interaction with HSPA2, by inhibiting polyubiquitination and subsequent proteasomal degradation of HSPA2. Required for selective ubiquitin-mediated degradation of defective nascent chain polypeptides by the proteasome. In this context, may play a role in immuno-proteasomes to generate antigenic peptides via targeted degradation, thereby playing a role in antigen presentation in immune response. Key component of the BAG6/BAT3 complex, a cytosolic multiprotein complex involved in the post-translational delivery of tail-anchored (TA) membrane proteins to the endoplasmic reticulum membrane. TA membrane proteins, also named type II transmembrane proteins, contain a single C-terminal transmembrane region. BAG6/BAT3 acts by facilitating TA membrane proteins capture by ASNA1/TRC40: it is recruited to ribosomes synthesizing membrane proteins, interacts with the transmembrane region of newly released TA proteins and transfers them to ASNA1/TRC40 for targeting to the endoplasmic reticulum membrane.
Gene ID:	7917
UniProt:	P46379

Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400 IF(ICC) 1:50-200

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

