



Datasheet for ABIN7157916
anti-BAT3 antibody (AA 1-200)



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1 Image

Overview

Quantity:	100 µL
Target:	BAT3
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAT3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Large proline-rich protein BAG6 protein (1-200AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	BAT3
Alternative Name:	BAG6 (BAT3 Products)
Background:	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. 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. Moreover, it regulates the stability and the degradation of proteins by the proteasome. For instance, it is 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. It is also involved in ubiquitin-mediated proteasomal degradation of proteins of the secretory pathway that are mislocalized to the cytosol. Binds the mislocalized proteins, preventing their aggregation in the cytosol, and promotes their ubiquitination. 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. Involved in DNA damage-induced apoptosis: following DNA damage, accumulates in the nucleus and forms a complex with p300/EP300, enhancing p300/EP300-mediated p53/TP53 acetylation leading to increase p53/TP53 transcriptional activity. When nuclear, may also act as a component of some chromatin regulator complex that regulates histone 3 Lys-4 dimethylation (H3K4me2). Can be released from tumor and dendritic cells in membrane vesicles or exosomes, and engage NCR3 thereby promoting natural killer cells (NK) activation and cytotoxicity.

Aliases: 2410045D21Rik antibody, AA408914 antibody, BAG 6 antibody, BAG family 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

UniProt:

[P46379](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

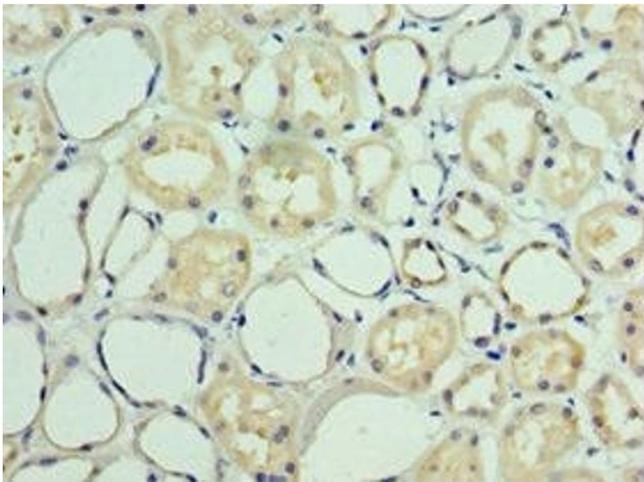
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7157916 at dilution of 1:100