

Product datasheet

Anti-BAT3/BAG-6 antibody ab88292

[3 References](#) [3 Images](#)

Overview

Product name	Anti-BAT3/BAG-6 antibody
Description	Mouse polyclonal to BAT3/BAG-6
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human BAT3/BAG-6. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: NP_542433.1

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab88292 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 119 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

Target

Function

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. Also 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).

Sequence similarities

Contains 1 ubiquitin-like domain.

Post-translational modifications

Cleavage by caspase-3 releases a C-terminal peptide that plays a role in ricin-induced apoptosis.

In case of infection by *L.pneumophila*, ubiquitinated by the SCF(LegU1) complex.

Cellular localization

Cytoplasm > cytosol. Nucleus. The C-terminal fragment generated by caspase-3 is cytoplasmic.

Images



Western blot - Anti-BAT3/BAG-6 antibody (ab88292)

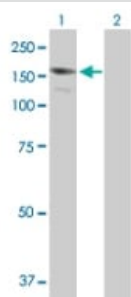
Anti-BAT3/BAG-6 antibody (ab88292) at 1 μ g/ml + A-431 cell lysate with BAT3 / BAG-6 expression at 50 μ g

Secondary

Goat Anti-Mouse IgG at 1/2500 dilution

Predicted band size: 119 kDa

Observed band size: 150 kDa



Western blot - Anti-BAT3/BAG-6 antibody (ab88292)

All lanes : Anti-BAT3/BAG-6 antibody (ab88292) at 1 μ g/ml

Lane 1 : BAT3/BAG-6 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

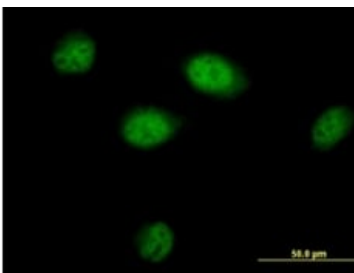
Lysates/proteins at 50 μ g per lane.

Secondary

All lanes : Goat Anti-Mouse IgG at 1/2500 dilution

Predicted band size: 119 kDa

Observed band size: 150 kDa



Immunocytochemistry/ Immunofluorescence - Anti-BAT3/BAG-6 antibody (ab88292)

Immunofluorescence of ab88292 on HeLa cell with antibody concentration at 10 μ g/ml

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