


Product datasheet

Anti-AMSH antibody [EPR4361] - BSA and Azide free ab247622

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-AMSH antibody [EPR4361] - BSA and Azide free
Description	Rabbit monoclonal [EPR4361] to AMSH - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab247622 is the carrier-free version of ab108301.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4361
Isotype	IgG

Applications

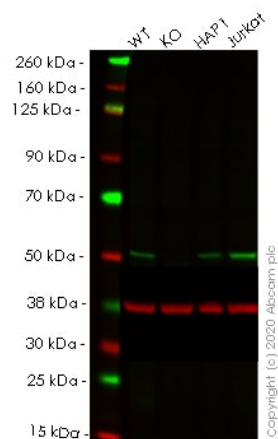
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247622 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 48 kDa.

Target

Function	Zinc metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains. Does not cleave 'Lys-48'-linked polyubiquitin chains (By similarity). Functions at the endosome and is able to oppose the ubiquitin-dependent sorting of receptors to lysosomes. Plays a role in signal transduction for cell growth and MYC induction mediated by IL-2 and GM-CSF. Potentiates BMP (bone morphogenetic protein) signaling by antagonizing the inhibitory action of SMAD6 and SMAD7.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Belongs to the peptidase M67C family. Contains 1 MPN (JAB/Mov34) domain.
Domain	The JAMM motif is essential for the protease activity.
Post-translational modifications	Phosphorylated after BMP type I receptor activation. Ubiquitinated by SMURF2 in the presence of RNF11.
Cellular localization	Nucleus. Membrane. Cytoplasm. Early endosome.

Images



Western blot - Anti-AMSH antibody [EPR4361] - BSA and Azide free (ab247622)

All lanes : Anti-AMSH antibody [EPR4361] ([ab108301](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa lysate

Lane 2 : STAM Binding Protein knockout HeLa lysate

Lane 3 : HAP1 lysate

Lane 4 : Jurkat lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 48 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab108301](#)).

Lanes 1-4: Merged signal (red and green). Green - [ab108301](#) observed at 48 kDa. Red - loading control [ab8245](#) observed at 37 kDa.

[ab108301](#) Anti-STAMBP antibody was shown to specifically react with STAM Binding Protein in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265249](#) (knockout cell lysate [ab258213](#)) was used. Wild-type and STAM Binding Protein knockout samples were subjected to SDS-PAGE. [ab108301](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-AMSH antibody [EPR4361] - BSA and Azide free (ab247622)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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