


Product datasheet

Anti-Emi1 antibody [EPR15320] - BSA and Azide free ab250788

Recombinant RabMAb

[5 Images](#)

Overview

Product name	Anti-Emi1 antibody [EPR15320] - BSA and Azide free
Description	Rabbit monoclonal [EPR15320] to Emi1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250788 is the carrier-free version of ab184950.</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	EPR15320
Isotype	IgG

Applications

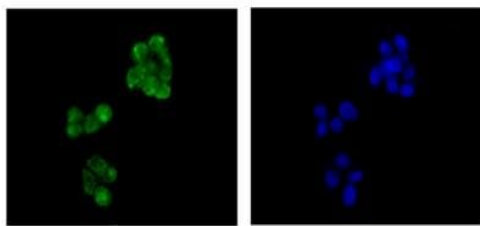
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250788 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 56 kDa (predicted molecular weight: 50 kDa).

Target

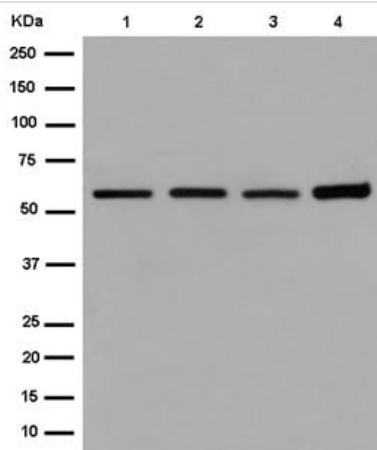
Function	Regulates progression through early mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). Binds to the APC activators CDC20 and FZR1/CDH1 to prevent APC activation. Can also bind directly to the APC to inhibit substrate-binding.
Sequence similarities	Contains 1 F-box domain. Contains 1 IBR-type zinc finger.
Developmental stage	Accumulates in late G1 phase, levels rise during S phase and drop in early mitosis.
Domain	The C-terminal region is required for inhibition of APC activity.
Post-translational modifications	Phosphorylation by CDK2 and subsequently by PLK1 triggers degradation during early mitosis through ubiquitin-mediated proteolysis by the SCF ubiquitin ligase complex containing the F-box protein BTRC. This degradation is necessary for the activation of APC in late mitosis and subsequent mitotic progression.
Cellular localization	Nucleus. Cytoplasm. Cytoplasm > cytoskeleton > spindle. In interphase, localizes in a punctate manner in the nucleus and cytoplasm with some perinuclear concentration. In mitotic cells, localizes throughout the cell, particularly at the spindle.

Images



Immunocytochemistry/ Immunofluorescence - Anti-Emi1 antibody [EPR15320] - BSA and Azide free (ab250788)

This data was developed using [ab184950](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HepG2 cells (4% paraformaldehyde-fixed) labeling Emi1 with [ab184950](#) at 1/250 dilution. Goat anti-rabbit IgG (Alexa Fluor® 488) at 1/200 dilution was used as the secondary antibody. The slide on the right is counter stained with Dapi (blue).



Western blot - Anti-Emi1 antibody [EPR15320] - BSA and Azide free (ab250788)

All lanes : Anti-Emi1 antibody [EPR15320] ([ab184950](#)) at 1/5000 dilution

Lane 1 : K562 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : 293 cell lysate

Lane 4 : HepG2 cell lysate

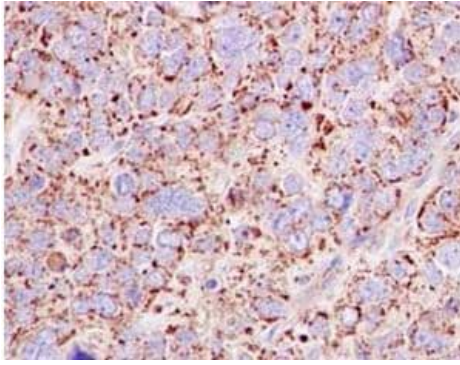
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

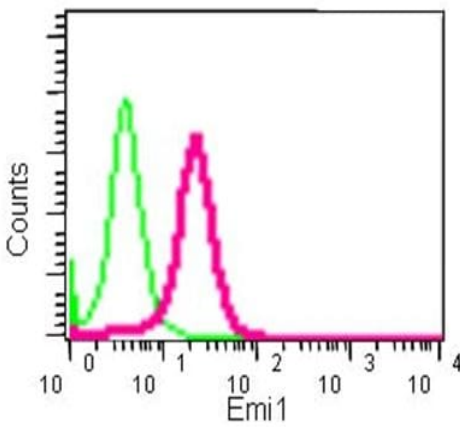
Predicted band size: 50 kDa

This data was developed using [ab184950](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Emi1 antibody [EPR15320] - BSA and Azide free (ab250788)

This data was developed using **ab184950**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human ovarian carcinoma tissue labeling Emi1 with **ab184950** at 1/250 dilution followed by pre-diluted HRP-conjugated secondary antibody and counter-stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.







Flow Cytometry (Intracellular) - Anti-Emi1 antibody [EPR15320] - BSA and Azide free (ab250788)

This data was developed using **ab184950**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of HeLa cells (2% paraformaldehyde-fixed) labeling Emi1 with **ab184950** at 1/180 dilution (red). Goat anti-rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody. Rabbit monoclonal IgG was used as the isotype control (green).

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-Emi1 antibody [EPR15320] - BSA and Azide free (ab250788)

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