abcam

ab250831

Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free

Recombinant RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR15452(B)
Purification technique	Affinity purification Protein A
Concentration	1.064 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Tested

Species	Rat, Human
Dilution info	-
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information METAP1

Function	Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary

sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Required for normal progression through the cell cycle.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab250831 is the carrier-free version of ab185540.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. 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.

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.

Compatibility

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.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

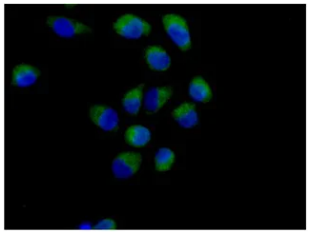
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

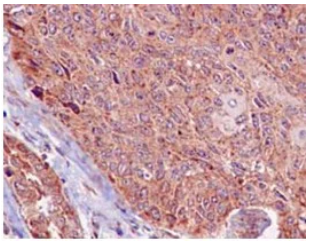
6 product images



Immunocytochemistry/ Immunofluorescence - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free (ab250831)

Methionyl Aminopeptidase 1/MAP 1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Methionyl Aminopeptidase 1/MAP 1 antibody

This data was developed using ab185540, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 4% paraformaldehyde fixed A375 cells labeling Methionyl Aminopeptidase 1/MAP 1 with ab185540 at 1/250 dilution. Secondary antibody Goat anti rabbit IgG (Alexa Fluor®488) at a 1/200 dilution. Counterstained with Dapi blue.

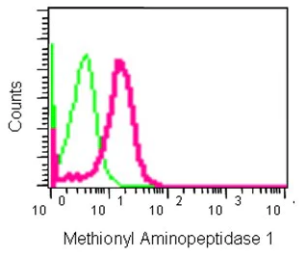


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free (ab250831)

Methionyl Aminopeptidase 1/MAP 1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Methionyl Aminopeptidase 1/MAP 1 antibody

This data was developed using ab185540, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling Methionyl Aminopeptidase 1/MAP 1 with ab185540 at 1/100 dilution. Counter stain Hematoxylin.

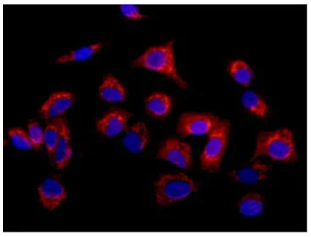
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free (ab250831)

Methionyl Aminopeptidase 1/MAP 1 Flow Cytometry (Intracellular) staining using rabbit Anti-Methionyl Aminopeptidase 1/MAP 1 antibody

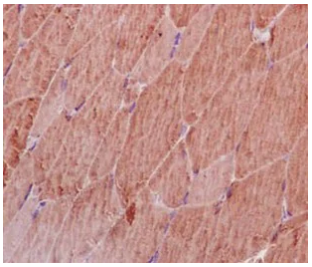
This data was developed using ab185540, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of 2% paraformaldehyde fixed A375 cells labeling Methionyl Aminopeptidase 1/MAP 1 with ab185540 at 1/180 dilution (pink) or a rabbit IgG isotype control (green), followed by secondary Goat anti rabbit IgG (FITC) at 1/150 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free (ab250831)

Methionyl Aminopeptidase 1/MAP 1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Methionyl Aminopeptidase 1/MAP 1 antibody

This data was developed using ab185540, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 4% paraformaldehyde fixed A549 cells labeling Methionyl Aminopeptidase 1/MAP 1 with ab185540 at 1/250 dilution. Secondary antibody Goat anti rabbit IgG (Alexa Fluor®555) at a 1/200 dilution. Counterstained with Dapi blue.

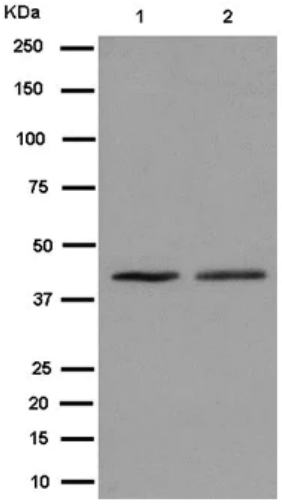


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free (ab250831)

Methionyl Aminopeptidase 1/MAP 1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Methionyl Aminopeptidase 1/MAP 1 antibody

This data was developed using ab185540, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Rat skeletal muscle tissue labeling Methionyl Aminopeptidase 1/MAP 1 with ab185540 at 1/100 dilution. Counter stain Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] - BSA and Azide free (ab250831)

This data was developed using ab185540, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-Methionyl Aminopeptidase 1/MAP 1 antibody [EPR15452(B)] (ab185540) at 1/1000 dilution

Lane 1:
A375 cell lysate at 10 µg

Lane 2:
HUVEC cell lysate at 10 µg

Secondary

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

Predicted band size: 43 kDa

Observed band size: 43 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.