abcam

ab250186

Anti-MLF2 antibody [EPR10245(2)] - 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	EPR10245(2)
Purification technique	Affinity purification Protein A
Concentration	1.069 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	-

Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IP

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information MLF2

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

ab250186 is the carrier-free version of ab180184.

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.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	MLF2 also known as Myeloid Leukemia Factor 2 is a protein with an approximate mass of 35 kDa. It shows expression mainly in the nucleus and cytoplasm of cells. MLF2 takes part in the regulation of various cellular processes especially those involving cell growth and differentiation. Understanding its activity and expression pattern can help in dissecting its role in cellular function and disease.
Biological function summary	MLF2 contributes to cells' response to stress making it significant in maintaining cellular homeostasis. MLF2 can interact with other proteins to form complexes that regulate transcriptional processes. This regulation is important for normal cellular function and indicates that MLF2 has an influence on gene expression modulation impacting how the cell responds to different stimuli.
Pathways	MLF2 engages in the JAK/STAT signaling pathway which is important in processes like cell proliferation differentiation and apoptosis. It also interacts with the NF-kB signaling pathway important for immune response and inflammation regulation. Through these pathways MLF2 shares connections with proteins such as STAT3 and NF-kB indicating its integration into a network that maintains cellular activity and integrity.
Associated diseases and disorders	MLF2 associates with cancer and myelodysplastic syndromes. Its altered expression or dysfunction can contribute to tumorigenesis due to its role in cell proliferation and differentiation pathways. In these disease contexts MLF2's interaction with proteins like JAK2 becomes critical as disruptions in these interactions may exacerbate disease progression. Understanding these connections helps in considering MLF2 as a potential therapeutic target in disease treatment strategies.

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

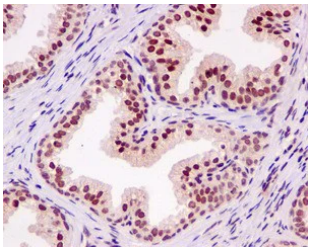
We do not recommend this combination. It is not covered by our product promise.

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.

4 product images

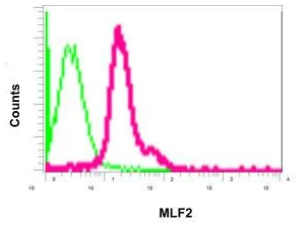


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MLF2 antibody [EPR10245(2)] - BSA and Azide free (ab250186)

MLF2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MLF2 antibody

This data was developed using ab180184, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin embedded Human prostate tissue labeling MLF2 with ab180184 at 1/50.

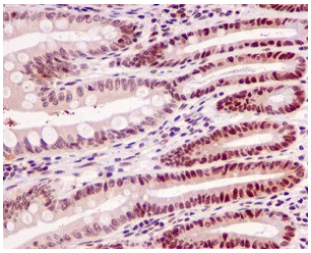
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-MLF2 antibody [EPR10245(2)] - BSA and Azide free (ab250186)

MLF2 Flow Cytometry (Intracellular) staining using rabbit Anti-MLF2 antibody

This data was developed using ab180184, the same antibody clone in a different buffer formulation.
Intracellular flow cytometrical analysis of permeabilized Jurkat cells labeling MLF2 with ab180184 at 1/10 (red) or a rabbit IgG negative (green).

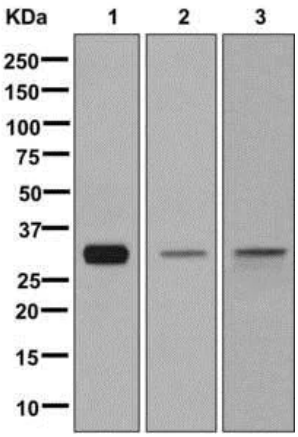


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MLF2 antibody [EPR10245(2)] - BSA and Azide free (ab250186)

MLF2 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-MLF2 antibody

This data was developed using ab180184, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin embedded Human colon tissue labeling MLF2 with ab180184 at 1/50.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-MLF2 antibody [EPR10245(2)] - BSA and Azide free (ab250186)

This data was developed using ab180184, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-MLF2 antibody [EPR10245(2)] - C-terminal (ab180184) at 1/1000 dilution

Lane 1:
Jurkat lysate at 10 µg

Lane 2:
Fetal brain tissue lysate at 10 µg

Lane 3:
HepG2 cell lysate at 10 µg

Secondary

All lanes:
HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 28 kDa

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