abcam

ab151560

Anti-CARD6 antibody [EPR9718]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR9718
Purification technique	Affinity purification Protein A
Concentration	0.466 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

IP

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/10 - 1/100
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information CARD6

Function	May be involved in apoptosis.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Notes

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.

Supplementary info

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

Activity summary	CARD6 also known as Caspase Recruitment Domain-Containing Protein 6 is a protein that weighs approximately 104 kDa. The protein is identified for its involvement in the immune response and connects with microtubules in the cell. It is expressed in various tissues including the heart brain and skeletal muscles. CARD6 contains a CARD (Caspase Activation and Recruitment Domain) enabling it to interact with other proteins containing similar domains.
Biological function summary	CARD6 influences immune system regulation playing a role in apoptosis and inflammation. It does not form a complex with other proteins but instead interacts directly with several proteins through its CARD domain. Notably CARD6 modulates the functions of NF-kB a transcription factor important for immune response regulation and cellular stress responses.
Pathways	CARD6 participates in the NF-kB signaling pathway and the interferon regulatory pathway. These pathways are essential for mediating immune responses and controlling inflammation within the body. CARD6 shows interaction with proteins like RIP2 and TRAF6 within these pathways which further affect the NF-kB signaling cascade.
Associated diseases and disorders	CARD6 has been linked to Crohn's disease and certain cancers. Abnormalities in its function or expression can lead to dysregulated NF-kB activity contributing to these conditions. CARD6 interacts with proteins such as RIP2 in autoimmune disorders like Crohn's disease and its altered signaling pathway connections can play a role in cancer progression by affecting cell survival and proliferation mechanisms.

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

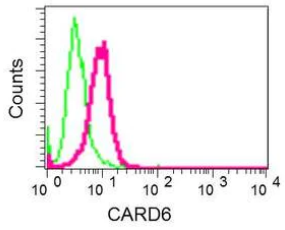
We do not recommend this combination. It is not covered by our product promise.

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.

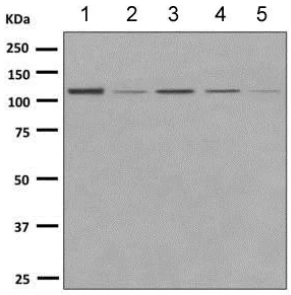
2 product images



Flow Cytometry (Intracellular) - Anti-CARD6 antibody [EPR9718] (ab151560)

CARD6 Flow Cytometry (Intracellular) staining using rabbit Anti-CARD6 antibody

Intracellular flow cytometric analysis of permeabilized HeLa cells labeling CARD6 with ab151560 at 1/10 dilution (red), compared to a Rabbit IgG control antibody (green).



Western blot - Anti-CARD6 antibody [EPR9718] (ab151560)

All lanes:
Western blot - Anti-CARD6 antibody [EPR9718] (ab151560) at 1/1000 dilution

Lane 1:
MCF7 lysate at 10 µg

Lane 2:
HeLa lysate at 10 µg

Lane 3:
Human fetal brain lysate at 10 µg

Lane 4:
293T lysate at 10 µg

Lane 5:
Human fetal kidney lysate at 10 µg

Secondary

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

Predicted band size: 116 kDa

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