abcam

ab250750

# Anti-MARCKS like protein antibody [EPR15353] - 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** | EPR15353 |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 1.054 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## ICC/IF

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |

| | |
|---|---|
| **Notes** | - |

### Predicted

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | - |
| **Notes** | - |

## WB

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Predicted

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | - |
| **Notes** | - |

## Flow Cyt (Intra)

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Predicted

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | - |
| **Notes** | - |

## IHC-P

### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

### Predicted

| | |
|---|---|
| **Species** | Mouse, Rat |
| **Dilution info** | - |
| **Notes** | - |

## Target data

See full target information MARCKSL1

| | |
|---|---|
| **Function** | Controls cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation (PubMed:22751924). When unphosphorylated, induces cell migration (By similarity). When phosphorylated by MAPK8, induces actin bundles formation and stabilization, thereby reducing actin plasticity, hence restricting cell movement, including neuronal migration (By similarity). May be involved in coupling the protein kinase C and calmodulin signal transduction systems (By similarity). |

## 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

ab250750 is the carrier-free version of ab184546.

**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**

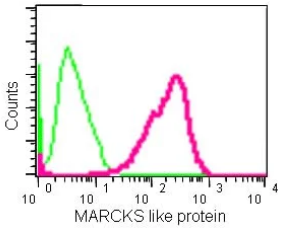
We do not recommend this combination. It is not covered by our product promise.

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.

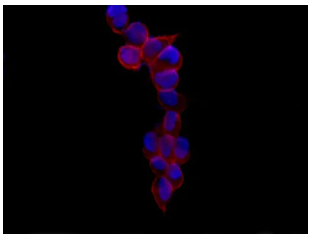
## 5 product images




### Flow Cytometry (Intracellular) - Anti-MARCKS like protein antibody [EPR15353] - BSA and Azide free (ab250750)

MARCKS like protein Flow Cytometry (Intracellular) staining using rabbit Anti-MARCKS like protein antibody

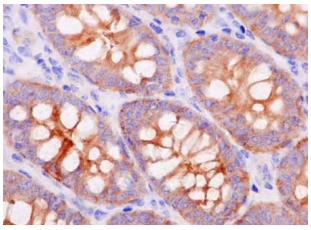
This data was developed using ab184546, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of SH-SY5Y cells (2% paraformaldehyde-fixed) labeling MARCKS like protein with ab184546 at 1/140 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



### Immunocytochemistry/ Immunofluorescence - Anti-MARCKS like protein antibody [EPR15353] - BSA and Azide free (ab250750)

MARCKS like protein Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-MARCKS like protein antibody

This data was developed using ab184546, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 293T cells (4% paraformaldehyde-fixed) labeling MARCKS like protein with ab184546 at 1/250 dilution (red) followed by Goat anti rabbit IgG (AlexaFluor® 555) secondary at 1/200 dilution and counter-stained with DAPI (blue).

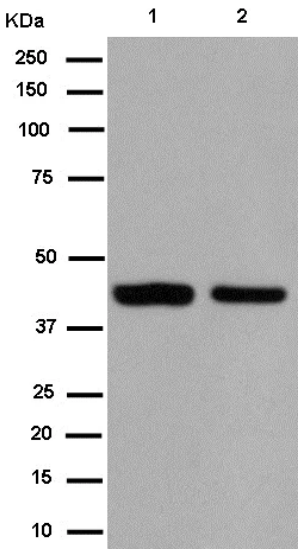


### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MARCKS like protein antibody [EPR15353] - BSA and Azide free (ab250750)

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

This data was developed using ab184546, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of Paraffin-embedded Human colon tissue labeling MARCKS like protein with ab184546 at 1/100 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.




## Western blot - Anti-MARCKS like protein antibody [EPR15353] - BSA and Azide free (ab250750)

MARCKS like protein Western blot staining using rabbit Anti-MARCKS like protein antibody

This data was developed using ab184546, the same antibody clone in a different buffer formulation.
The protein has a calculated molecular weight of 20 kDa and an apparent molecular weight of 42-48 kDa due to anomalous migration on SDS gels or phosphorylation.

All lanes:
Western blot - Anti-MARCKS like protein antibody [EPR15353] - C-terminal (ab184546) at 1/10000 dilution

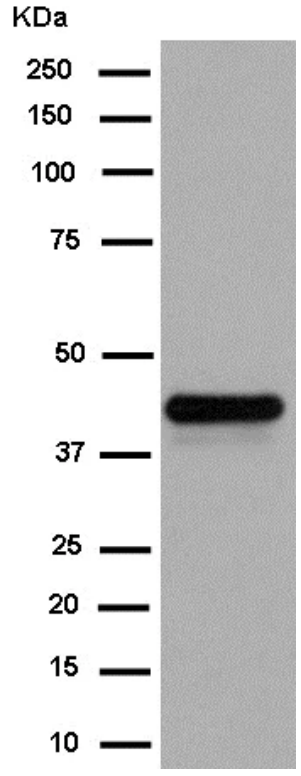
Lane 1:
293T cell lysate at 20 µg

Lane 2:
SH-SY5Y cell lysate at 20 µg

Secondary

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

Predicted band size: 20 kDa




## Western blot - Anti-MARCKS like protein antibody [EPR15353] - BSA and Azide free (ab250750)

This data was developed using ab184546, the same antibody clone in a different buffer formulation.
The protein has a calculated molecular weight of 20 kDa and an apparent molecular weight of 42-48 kDa due to anomalous migration on SDS gels or phosphorylation.

All lanes:
Western blot - Anti-MARCKS like protein antibody [EPR15353] - C-terminal (ab184546) at 1/50000 dilution

All lanes:
Human fetal brain tissue lysate at 20 µg

Secondary

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

Predicted band size: 20 kDa

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