

## Product datasheet

# Anti-MARCKS antibody [EP1446Y] ab52616

リコンビナント RabMAb®

10 References 画像数 5

### 製品の概要

製品名	Anti-MARCKS antibody [EP1446Y]
製品の詳細	Rabbit monoclonal [EP1446Y] to MARCKS
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC/IF, WB, Flow Cyt, IHC-P <b>適用なし:</b> IP
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide within Human MARCKS aa 200-300. The exact sequence is proprietary.
ポジティブ・コントロール	Fetal brain lysate, human brain tissue. This antibody gave a positive result when used in the following formaldehyde fixed cell lines: HeLa.
特記事項	<p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a></p> <p>This product is a recombinant rabbit monoclonal antibody.</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP1446Y
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab52616** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

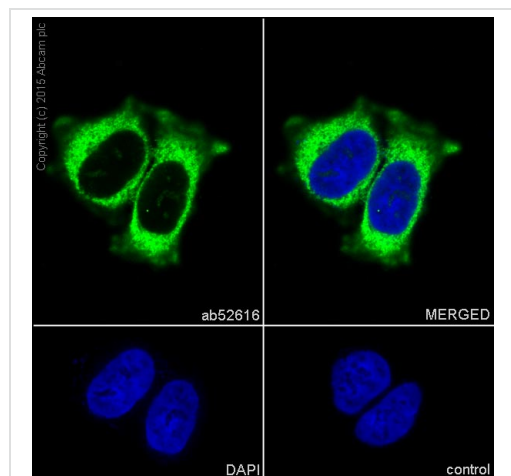
アプリケーション	Abreviews	特記事項
ICC/IF		1/100 - 1/250.
WB		1/10000. Predicted molecular weight: 32 kDa.
Flow Cyt		1/10. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		Use at an assay dependent concentration.

**追加情報** Is unsuitable for IP.

### ターゲット情報

<b>機能</b>	MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.
<b>配列類似性</b>	Belongs to the MARCKS family.
<b>翻訳後修飾</b>	Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity.
<b>細胞内局在</b>	Cytoplasm > cytoskeleton. Membrane.

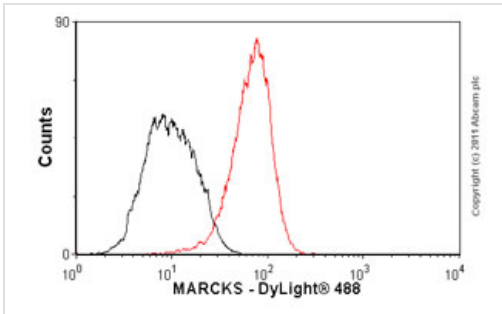
### 画像



ab52616 staining MARCKS in HeLa (human cervix adenocarcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 100% methanol and incubated with primary antibody at a dilution of 1/500. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a dilution of 1/1000. DAPI was used as a nuclear counterstain.

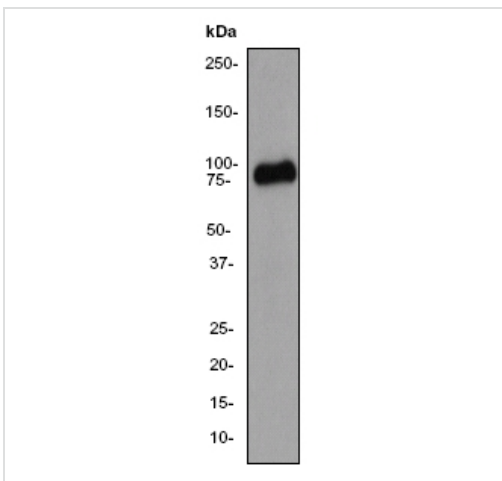
Control: PBS only.

Immunocytochemistry/ Immunofluorescence - Anti-MARCKS antibody [EP1446Y] (ab52616)



Flow Cytometry - Anti-MARCKS antibody  
[EP1446Y] (ab52616)

Overlay histogram showing HeLa cells stained with ab52616 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab52616, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in Hela cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Western blot - Anti-MARCKS antibody [EP1446Y]  
(ab52616)

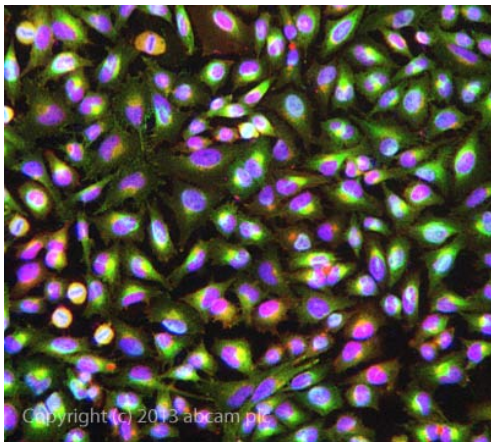
Anti-MARCKS antibody [EP1446Y] (ab52616)  
at 1/10000 dilution + Human fetal brain lysate  
at 10 µg

**Secondary**

Goat anti-rabbit HRP antibody at 1/2000  
dilution

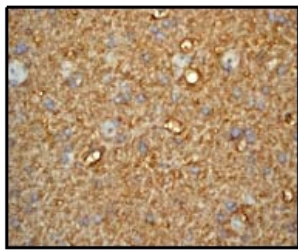
**Predicted band size:** 32 kDa

**Observed band size:** 87 kDa



Immunocytochemistry/ Immunofluorescence - Anti-MARCKS antibody [EP1446Y] (ab52616)

ICC/IF image of ab52616 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab52616 at 1/200 dilution overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit (ab96899) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MARCKS antibody [EP1446Y] (ab52616)

Ab52616 at 1/100 dilution staining human brain tissue; paraffin embedded.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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