


## Product datasheet

### Anti-MED4 antibody [EPR7816] $\alpha$ b129170

Recombinant RabMAb

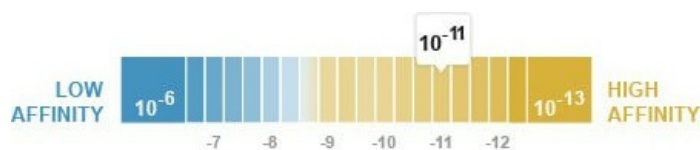
★★★★★ [2 Abreviews](#) [3 References](#) [6 Images](#)

#### Overview

Product name	Anti-MED4 antibody [EPR7816]
Description	Rabbit monoclonal [EPR7816] to MED4
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IHC-P, ICC/IF
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Xenopus laevis 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HepG2, T47D and K562 cell lysates. IHC-P: Human breast carcinoma and colon tissues. ICC/IF: HepG2 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Dissociation constant ( $K_D$ )	$K_D = 1.43 \times 10^{-11}$ M



[Learn more about  \$K\_D\$](#)

Storage buffer	pH: 7.20
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	Preservative: 0.01% Sodium azide
	Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7816
<b>Isotype</b>	IgG

## Applications

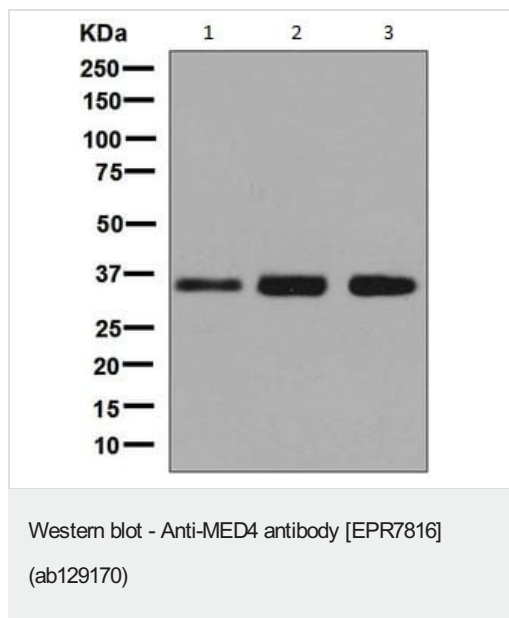
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab129170 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 36 kDa (predicted molecular weight: 30 kDa).
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
<b>ICC/IF</b>		1/100 - 1/250.

## Target

<b>Function</b>	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors.
<b>Sequence similarities</b>	Belongs to the Mediator complex subunit 4 family.
<b>Cellular localization</b>	Nucleus.

## Images



**All lanes :** Anti-MED4 antibody [EPR7816] (ab129170) at 1/1000 dilution

**Lane 1 :** HepG2 cell lysates

**Lane 2 :** T-47D cell lysates

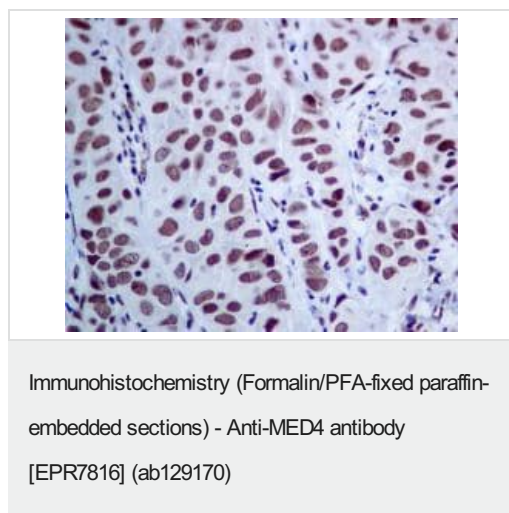
**Lane 3 :** K562 cell lysates

Lysates/proteins at 10 µg per lane.

#### Secondary

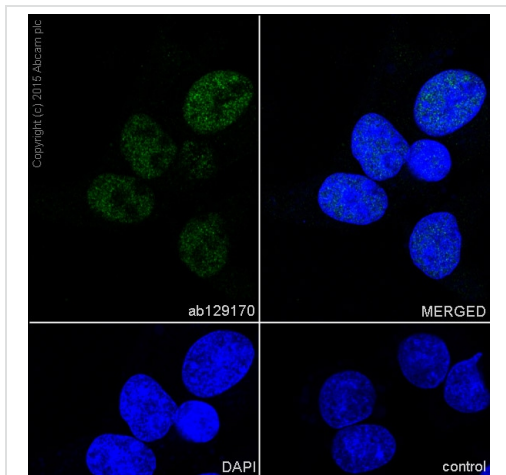
**All lanes :** HRP labelled Goat anti-Rabbit IgG at 1/2000 dilution

**Predicted band size:** 30 kDa



ab129170, at 1/100 dilution staining MED4 in paraffin-embedded Human breast carcinoma tissue, by Immunohistochemistry.

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



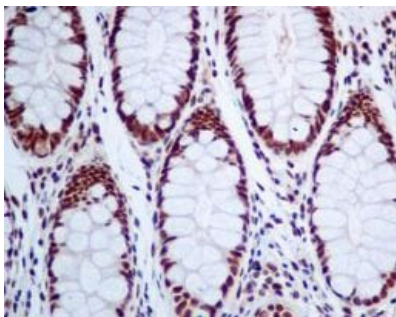
Immunocytochemistry/ Immunofluorescence - Anti-MED4 antibody [EPR7816] (ab129170)

Immunocytochemistry/Immunofluorescence analysis of HepG2 cells labelling MED4 with ab129170 at 1/1000. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100.

**ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody.

Control: PBS only.

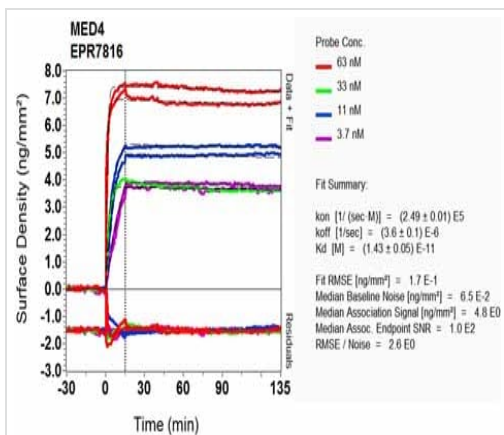
Nuclear counter stain: DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MED4 antibody [EPR7816] (ab129170)

ab129170, at 1/100 dilution staining MED4 in paraffin-embedded Human colon tissue, by Immunohistochemistry.

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



BI-RD Scanning - Anti-MED4 antibody [EPR7816]  
(ab129170)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

Why choose a  
recombinant antibody?



**Research with  
confidence**  
Consistent and  
reproducible results



**Long-term and  
scalable supply**  
Recombinant  
technology



**Success from the  
first experiment**  
Confirmed  
specificity



**Ethical standards  
compliant**  
Animal-free  
production

Anti-MED4 antibody [EPR7816] (ab129170)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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