

## Product datasheet

# Anti-RACK1 antibody [EPR7388] ab129084

Recombinant RabMAb

[6 References](#) [7 Images](#)

### Overview

<b>Product name</b>	Anti-RACK1 antibody [EPR7388]
<b>Description</b>	Rabbit monoclonal [EPR7388] to RACK1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: HeLa, HepG2, SH-SY5Y, MCF7, C6, PC-12, Mouse brain, and NIH/3T3 lysates. IHC-P: human colon carcinoma, and cervical carcinoma, mouse cerebrum, and rat cerebrum tissues.
<b>General notes</b>	<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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7388
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab129084 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

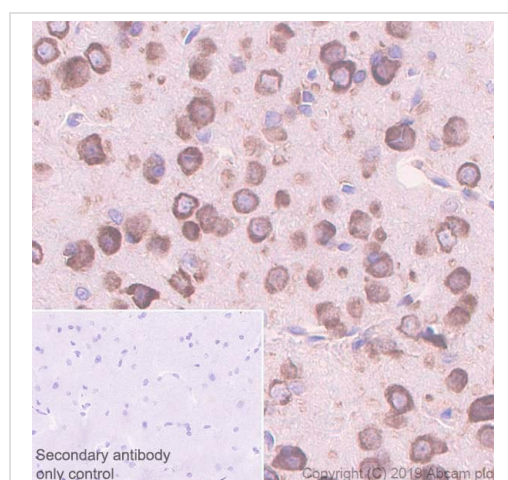
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 32 kDa (predicted molecular weight: 35 kDa).
IHC-P		1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> . For unpurified use at 1/50 -1/100

**Application notes** Is unsuitable for ICC/IF or IP.

## Target

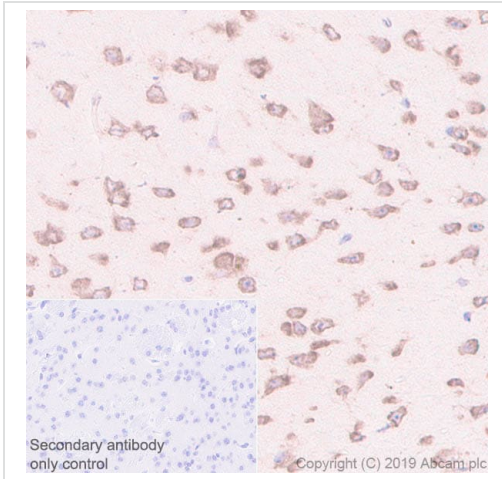
<b>Function</b>	Seems to bind protein kinase C acting as an intracellular receptor to anchor the activated PKC to the cytoskeleton. May be involved in up-regulation of the activity of kinases such as PKC via binding to KRT1. Together with KRT1 and ITGB1, serves as a platform for SRC activation or inactivation. May play an important role in the developing brain and neuronal differentiation.
<b>Sequence similarities</b>	Belongs to the WD repeat G protein beta family. Contains 7 WD repeats.
<b>Domain</b>	The WD repeats domain 5 mediates interaction with TRIM63.
<b>Cellular localization</b>	Cell membrane. Located on plasma membrane of neuroblastoma NMB7 cells.

## Images



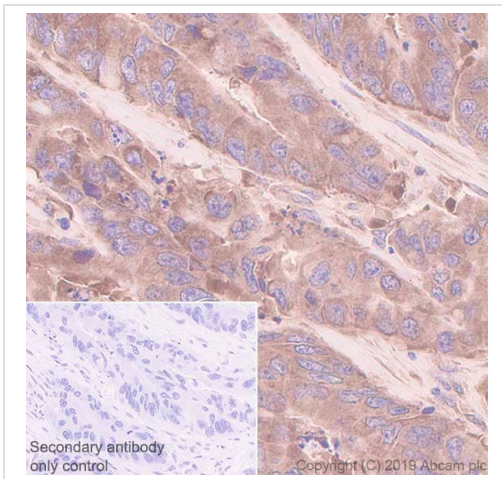
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat cerebrum tissue sections labeling RACK1 with Purified ab129084 at 1:1000 dilution (0.201 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RACK1 antibody [EPR7388] (ab129084)



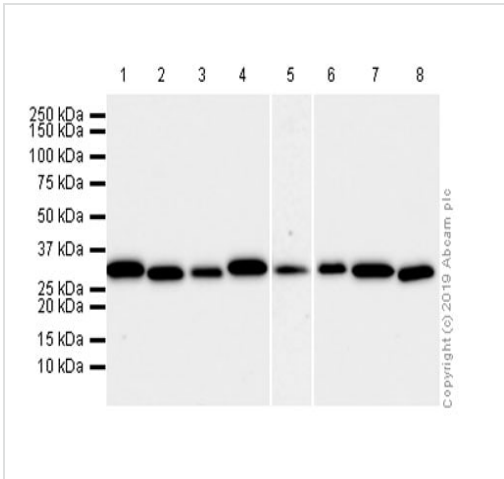
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebrum tissue sections labeling RACK1 with Purified ab129084 at 1:1000 dilution (0.201 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified)ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RACK1 antibody [EPR7388] (ab129084)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon carcinoma tissue sections labeling RACK1 with Purified ab129084 at 1:1000 dilution (0.201 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified)ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RACK1 antibody [EPR7388] (ab129084)



Western blot - Anti-RACK1 antibody [EPR7388]  
(ab129084)

**All lanes :** Anti-RACK1 antibody [EPR7388] (ab129084) at 1/1000 dilution (Purified)

**Lane 1 :** HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

**Lane 2 :** HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

**Lane 3 :** MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

**Lane 4 :** C6 (Rat glial tumor glial cell) whole cell lysates

**Lane 5 :** PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysates

**Lane 6 :** Mouse brain lysates

**Lane 7 :** Mouse spleen lysates

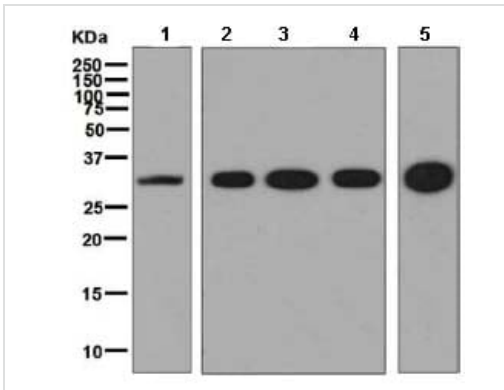
Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 35 kDa

**Observed band size:** 32 kDa



Western blot - Anti-RACK1 antibody [EPR7388]  
(ab129084)

**All lanes :** Anti-RACK1 antibody [EPR7388] (ab129084) at 1/1000 dilution

**Lane 1 :** MCF7 cell lysate

**Lane 2 :** SH-SY5Y cell lysate

**Lane 3 :** HeLa cell lysate

**Lane 4 :** PC12 cell lysate

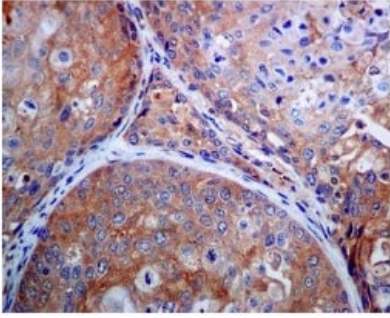
**Lane 5 :** C6 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

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

**Predicted band size:** 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RACK1 antibody [EPR7388] (ab129084)

ab129084, at a dilution of 1/50, staining RACK1 in paraffin-embedded Human cervical carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### 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-RACK1 antibody [EPR7388] (ab129084)

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

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