


Product datasheet

Anti-RAP1A + RAP1B antibody [EP879Y] ab75871

Recombinant RabMAb

★☆☆☆☆ [3 Abreviews](#) [3 References](#) [3 Images](#)

Overview

Product name	Anti-RAP1A + RAP1B antibody [EP879Y]
Description	Rabbit monoclonal [EP879Y] to RAP1A + RAP1B
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human brain lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EP879Y

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab75871 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	★☆☆☆☆ (2)	1/500. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa).

Application notes

Is unsuitable for Flow Cyt or IHC-P.

Target

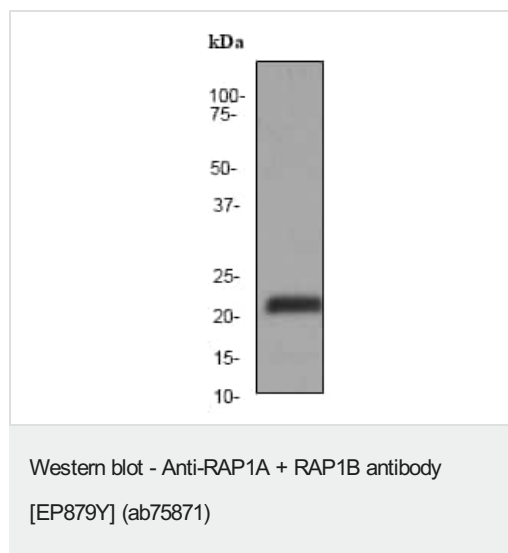
Relevance

RAP1A and RAP1B belong to a family of RAS-related proteins. These proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between the RAP and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. Human RAP1B is 95% identical to RAP1A. RAP1A and B are proposed to regulate Ras-mediated signalling and may also be involved in the regulation of integrin-mediated cell adhesion, although the mechanism of regulation is not known.

Cellular localization

Cell Membrane; Attached to the membrane by a lipid anchor

Images



Anti-RAP1A + RAP1B antibody [EP879Y] (ab75871) at 1/500 dilution + human brain lysate at 10 µg

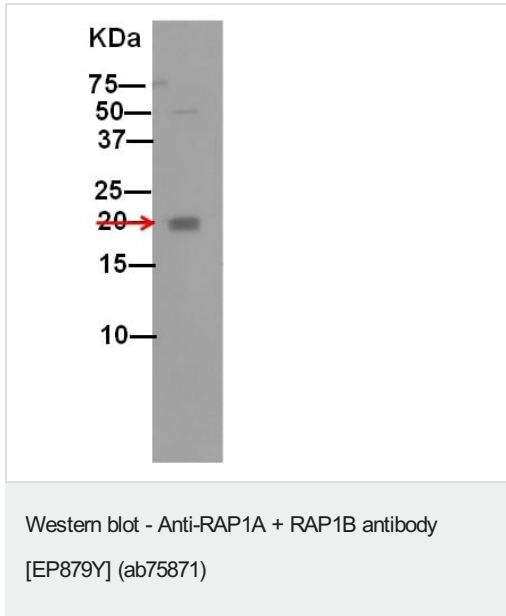
Secondary

Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

Secondary antibody - **goat anti-rabbit HRP (ab6721)**







Anti-RAP1A + RAP1B antibody [EP879Y] (ab75871) at 1/1000 dilution + Mouse brain

Predicted band size: 21 kDa

Secondary antibody - goat **anti-rabbit HRP (ab6721)**

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-RAP1A + RAP1B antibody [EP879Y] (ab75871)

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

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