


Product datasheet

Anti-PAC-2 antibody [EPR9947(2)] ab172909

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [2 Images](#)

Overview

Product name	Anti-PAC-2 antibody [EPR9947(2)]
Description	Rabbit monoclonal [EPR9947(2)] to PAC-2
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human PAC-2 aa 100-200. The exact sequence is proprietary. Database link: Q969U7
Positive control	Caco-2, HepG2, Hela and Jurkat cell lysates
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR9947(2)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab172909 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)	1/1000 - 1/5000. Predicted molecular weight: 29 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Function Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG1. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization.

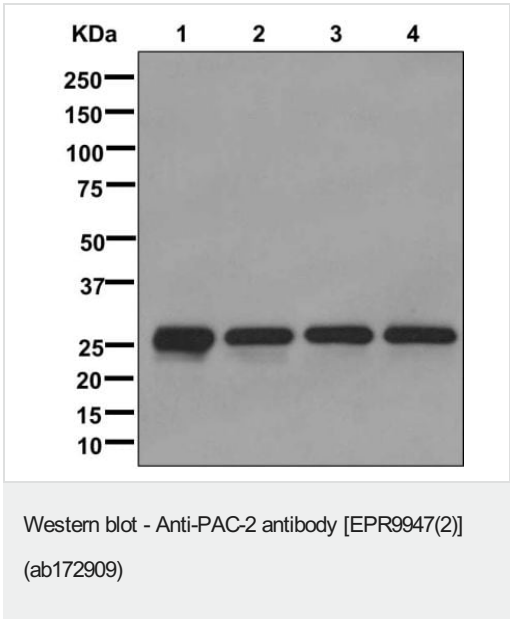
Tissue specificity Widely expressed with highest levels in lung, brain and colon. Moderately expressed in muscle, stomach, spleen and heart. Weakly expressed in small intestine, pancreas and liver. Highly expressed in hepatocellular carcinomas with low levels in surrounding liver tissue.

Sequence similarities Belongs to the PSMG2 family.

Post-translational modifications Degraded by the proteasome upon completion of 20S proteasome maturation.

Cellular localization Nucleus.

Images



All lanes : Anti-PAC-2 antibody [EPR9947(2)] (ab172909) at 1/1000 dilution

Lane 1 : Caco-2 cell lysate

Lane 2 : HepG2 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : Jurkat cell lysate

Predicted band size: 29 kDa

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-PAC-2 antibody [EPR9947(2)] (ab172909)

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

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