

Product datasheet

Anti-PARP4 antibody [EPR8230] ab133745

Recombinant RabMAb

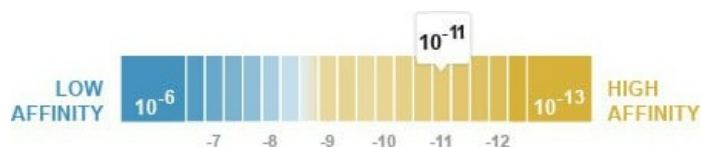
[1 References](#) [3 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-PARP4 antibody [EPR8230] |
| Description | Rabbit monoclonal [EPR8230] to PARP4 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide within Human PARP4 aa 1650-1750 (C terminal). The exact sequence is proprietary. |
| Positive control | HeLa, HepG3, 293T cell lysate; Human fetal kidney tissue lysate; Human fetal liver tissue 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> <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> |

Properties

| | |
|--|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| Dissociation constant (K_D) | K _D = 1.79 x 10 ⁻¹¹ M |



[Learn more about K_D](#)

| | |
|-----------------------|---|
| 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 | Tissue culture supernatant |
| Clonality | Monoclonal |
| Clone number | EPR8230 |
| Isotype | IgG |

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133745 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

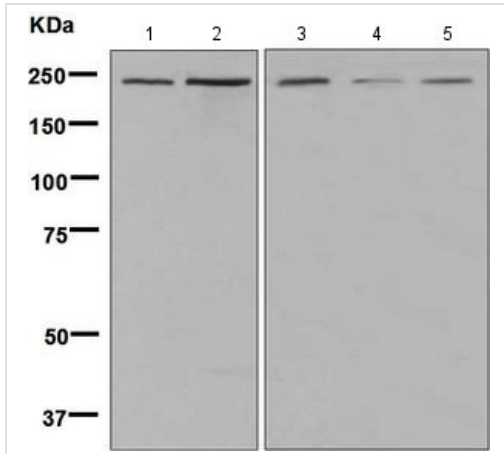
| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | 1/1000 - 1/10000. Detects a band of approximately 193 kDa (predicted molecular weight: 193 kDa). |

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

Target

| | |
|------------------------------|--|
| Tissue specificity | Widely expressed; the highest levels are in the kidney; also detected in heart, placenta, lung, liver, skeletal muscle, spleen, leukocytes and pancreas. |
| Sequence similarities | Contains 1 BRCT domain. Contains 1 PARP alpha-helical domain. Contains 1 PARP catalytic domain. Contains 1 VIT domain. Contains 1 VWFA domain. |
| Cellular localization | Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, spindle. Also found in the nucleus, associated with mitotic spindles. |

Images



Western blot - Anti-PARP4 antibody [EPR8230]
(ab133745)

All lanes : Anti-PARP4 antibody [EPR8230] (ab133745) at 1/1000 dilution

Lane 1 : HeLa cell lysate at 10 µg

Lane 2 : HepG2 cell lysate at 10 µg

Lane 3 : Human fetal kidney tissue lysate

Lane 4 : 293T cell lysate at 10 µg

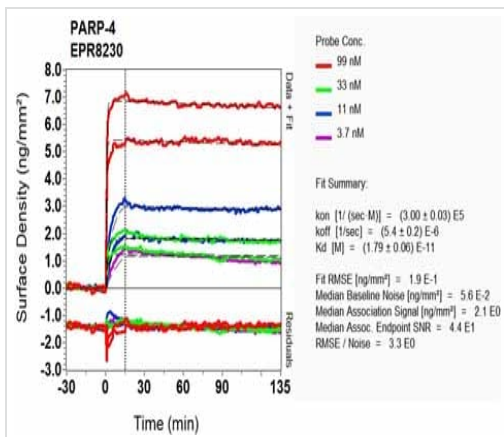
Lane 5 : Human fetal liver tissue lysate

Secondary

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

Predicted band size: 193 kDa

Observed band size: 193 kDa



SPR Scanning - Anti-PARP4 antibody [EPR8230]
(ab133745)

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-PARP4 antibody [EPR8230] (ab133745)

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

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