

Product datasheet

Anti-Mib1/Mindbomb antibody [EPR2762(2)] ab124929

Recombinant RabMAb

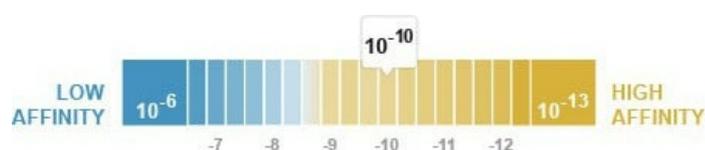
★★★★☆ [4 Abreviews](#) [4 References](#) [10 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-Mib1/Mindbomb antibody [EPR2762(2)] |
| Description | Rabbit monoclonal [EPR2762(2)] to Mib1/Mindbomb |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, ICC/IF Unsuitable for: IP |
| Species reactivity | Reacts with: Mouse, Human Does not react with: Rat |
| Immunogen | Synthetic peptide within Human Mib1/Mindbomb aa 1-100 (N terminal). The exact sequence is proprietary. |
| Positive control | K562, HeLa, Caco2, NCCIT, and Human brain lysates; Human kidney tissue. |
| General notes | This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . |

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. Stable for 12 months at -20°C. |
| Dissociation constant (K_D) | K _D = 1.72 x 10 ⁻¹⁰ M |



[Learn more about K_D](#)

| | |
|-----------------------|--|
| Storage buffer | pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR2762(2) |
| Isotype | IgG |

Applications

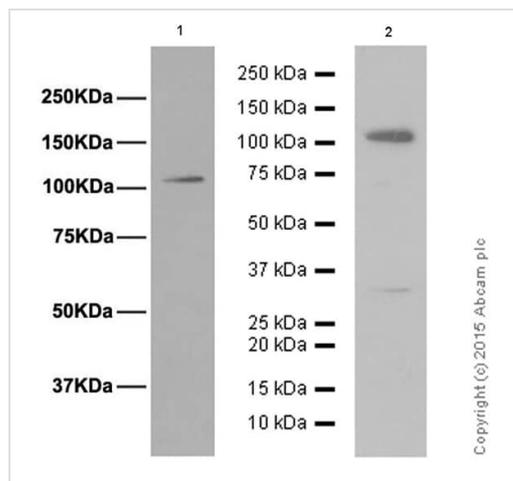
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124929 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | ★★★★★ (3) | 1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 110 kDa). |
| IHC-P | ★★★★★ (1) | 1/100 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min. |
| ICC/IF | | 1/100 - 1/250. |

Application notes Is unsuitable for IP.

Target

| | |
|---|---|
| Function | E3 ubiquitin-protein ligase that mediates ubiquitination of Delta receptors, which act as ligands of Notch proteins. Positively regulates the Delta-mediated Notch signaling by ubiquitinating the intracellular domain of Delta, leading to endocytosis of Delta receptors. Probably mediates ubiquitination and subsequent proteasomal degradation of DAPK1, thereby antagonizing anti-apoptotic effects of DAPK1 to promote TNF-induced apoptosis. |
| Tissue specificity | Widely expressed at low level. Expressed at higher level in spinal cord, ovary, whole brain, and all specific brain regions examined. |
| Pathway | Protein modification; protein ubiquitination. |
| Sequence similarities | Contains 9 ANK repeats. Contains 2 MIB/HERC2 domains. Contains 3 RING-type zinc fingers. Contains 1 ZZ-type zinc finger. |
| Post-translational modifications | Ubiquitinated. Possibly via autoubiquitination. |
| Cellular localization | Cytoplasm. Cell membrane. Localizes to the plasma membrane (By similarity). According to PubMed:15048887, it is mitochondrial, however such localization remains unclear. |



Western blot - Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929)

All lanes : Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929) at 1/10000 dilution

Lane 1 : Human fetal brain tissue

Lane 2 : K562 (human chronic myelogenous leukemia) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 110 kDa

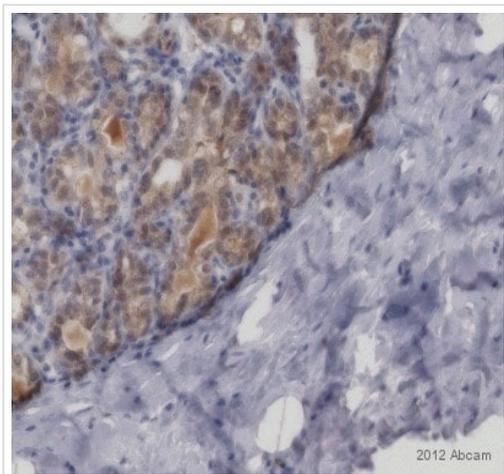
Additional bands at: 110 kDa. We are unsure as to the identity of these extra bands.

Blocking and diluting buffer: 5% NFDm/TBST

This image was produced using purified antibody.

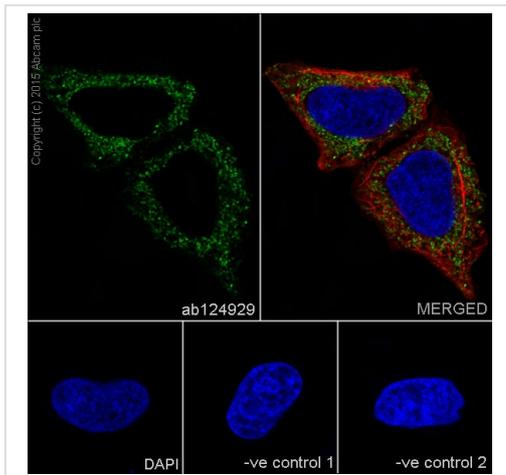
Immunohistochemical analysis of Human breast cancer tissue, staining Mib1/Mindbomb with ab124929.

Tissue was fixed with paraformaldehyde and permeabilized with Tween buffer for 30 minutes at 20°C; antigen retrieval was by heat mediation in Tris/EDTA buffer (pH 9). Samples were incubated with primary antibody (1/5000 in diluent) for 30 minutes at 20°C. An undiluted HRP-conjugated goat anti-rabbit polyclonal IgG was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929)

This image is courtesy of an Abreview submitted by Mr Rudolf Jung



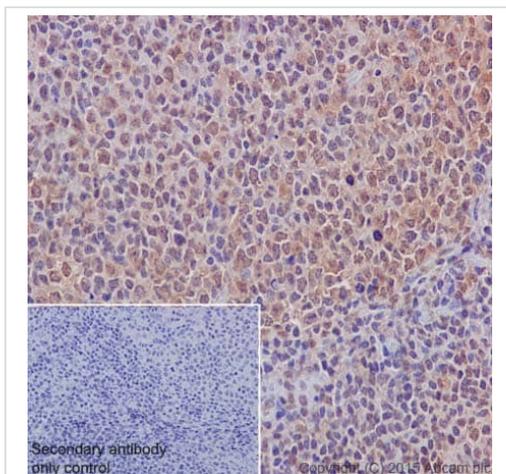
Immunocytochemistry/ Immunofluorescence - Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929)

ab124929 staining Mib1/Mindbomb in HeLa (human cervix adenocarcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody. **ab7291** and **ab150120** were used as counterstains for primary antibody ab124929 and secondary antibody **ab150077** respectively and DAPI was used as a nuclear counterstain.

Negative control 1: Rabbit primary antibody and anti-mouse secondary antibody (**ab150120**)

Negative control 2: Mouse primary antibody (**ab7291**) and anti-rabbit secondary antibody (**ab150077**)

This image was produced using purified antibody.

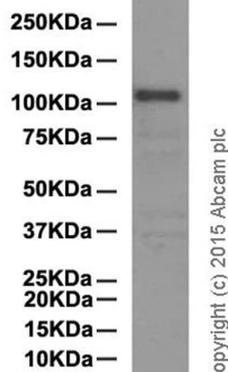


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929)

ab124929 staining Mib1/Mindbomb in Human tonsil tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/100. A goat anti-rabbit IgG H&L (HRP) **ab97051** was used as the secondary antibody at a dilution of 1/500.

Negative control 1: PBS in place of primary antibody.

This image was produced using purified antibody.



Western blot - Anti-Mib1/Mindbomb antibody
[EPR2762(2)] (ab124929)

Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929) at 1/1000 dilution + Mouse spleen tissue lysate at 10 µg

Secondary

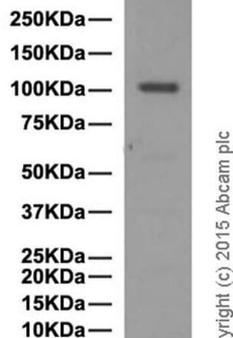
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

Predicted band size: 110 kDa

Additional bands at: 110 kDa. We are unsure as to the identity of these extra bands.

Diluting and blocking buffer: 5% NFDM /TBST.

This image was produced using purified antibody.



Western blot - Anti-Mib1/Mindbomb antibody
[EPR2762(2)] (ab124929)

Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929) at 1/10000 dilution + Mouse brain tissue lysate at 10 µg

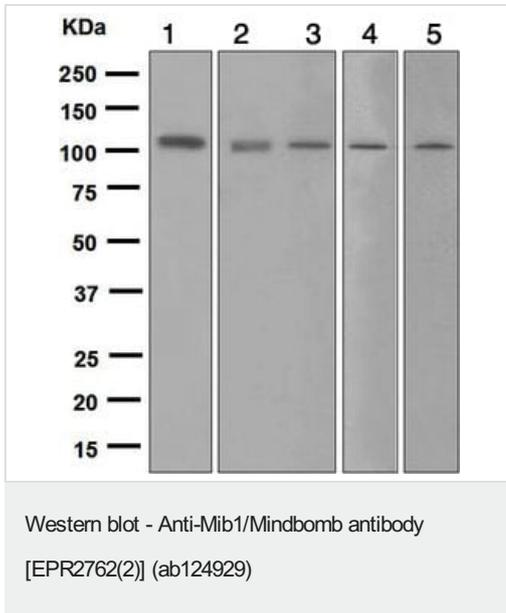
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

Predicted band size: 110 kDa

Blocking and diluting buffer: 5% NFDM/TBST.

This image was produced using purified antibody.



All lanes : Anti-Mib1/Mindbomb antibody [EPR2762(2)] (ab124929) at 1/1000 dilution

Lane 1 : K562 cell lysates

Lane 2 : HeLa cell lysates

Lane 3 : Caco2 cell lysates

Lane 4 : NCCIT cell lysates

Lane 5 : Human brain lysates

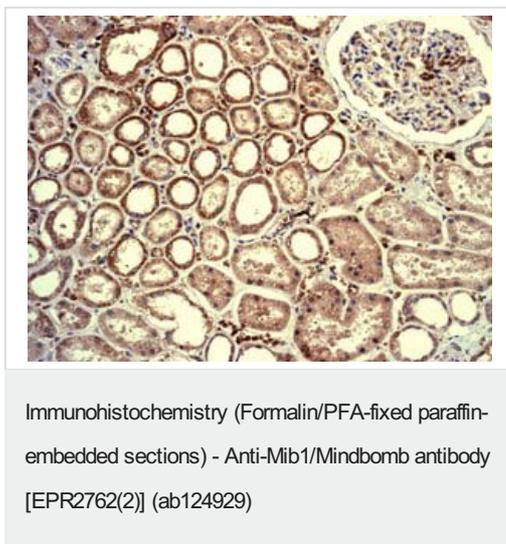
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 110 kDa

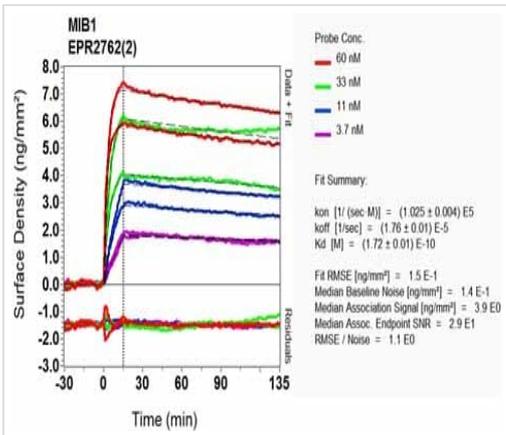
This image was produced using unpurified antibody.



ab124929, at 1/250 dilution, staining Mib1/Mindbomb in formalin-fixed, paraffin-embedded Human kidney tissue by immunohistochemistry.

This image was produced using unpurified antibody.

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



OI-RD Scanning - Anti-Mib1/Mindbomb antibody
[EPR2762(2)] (ab124929)

Equilibrium dissociation constant (K_D)

Learn more about K_D

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

This image was produced using unpurified antibody.

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-Mib1/Mindbomb antibody [EPR2762(2)]
(ab124929)

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