


Anti-CD90 / Thy1 antibody [EPR3132] ab92574

敲除验证
重组
RabMAb

★★★★★
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概述

产品名称	Anti-CD90 / Thy1抗体[EPR3132]
描述	兔单克隆抗体[EPR3132] to CD90 / Thy1
宿主	Rabbit
特异性	This antibody reacts with mouse samples in WB, but does not work on mouse samples in other applications. Rat cross-reactivity has been tested by western blot only.
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt or IP
种属反应性	与反应: Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human CD90/ Thy1 aa 50-150 (N terminal). Database link: P04216
阳性对照	WB: Wild-type U-2 OS cell lysate, Human fetal brain and fetal kidney lysate. IHC-P: Human lung adenocarcinoma, cervical carcinoma, breast carcinoma, colon carcinoma, glioma, tonsil and brain tissues, human skeletal muscle vessels tissue and normal human tonsil vessels tissues.
常规说明	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 .

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K_D)	K _D = 1.57 x 10 ⁻¹⁰ M





[Learn more about K_D](#)

存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3132
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab92574 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

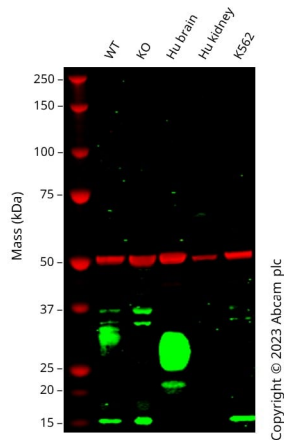
应用	Ab评论	说明
WB		1/1000 - 1/2000. Predicted molecular weight: 18 kDa. Can be blocked with ab134486 . Observed molecular weight may vary depending on the glycosylation level of the target.
IHC-P	★★★★★ (6)	1/100 - 1/400. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. The use of an HRP/AP polymerized antibody is recommended for a secondary antibody.

应用说明 Is unsuitable for Flow Cyt or IP.

靶标

功能	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
序列相似性	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
细胞定位	Cell membrane.

图片



Western blot - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

All lanes : Anti-CD90 / Thy1 antibody [EPR3132] (ab92574) at 1/1000 dilution

Lane 1 : Wild-type U-2 OS cell lysate

Lane 2 : THY1 knockout U-2 OS cell lysate

Lane 3 : Human brain cell lysate

Lane 4 : Human kidney cell lysate

Lane 5 : K562 cell lysate

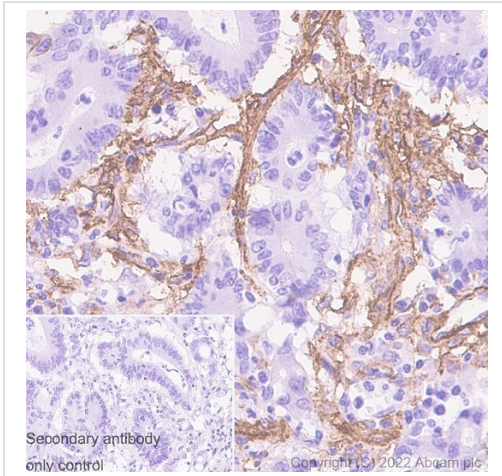
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 25-37 kDa

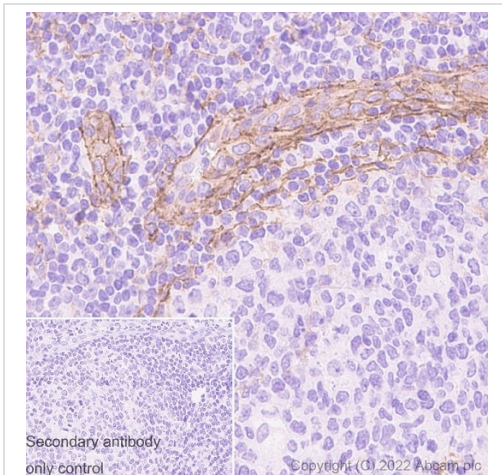
Anti-THY1 antibody [EPR3132] (ab92574) staining at 1/1000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab92574 was shown to bind specifically to THY1. A band was observed at 25-37 kDa in wild-type U-2 OS cell lysates with no signal observed at this size in THY1 knockout cell line [ab262490](#) (knockout cell lysate [ab263925](#)). To generate this image, wild-type and THY1 knockout U-2 OS cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L 800CW and Goat anti-Mouse IgG H&L 680RD at 1/20000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labelling CD90 / Thy1 with ab92574 at 1/400 dilution (0.26 µg/ml) followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody at a ready to use concentration. Positive staining on the stroma in human colon carcinoma. The section was incubated with ab92574 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

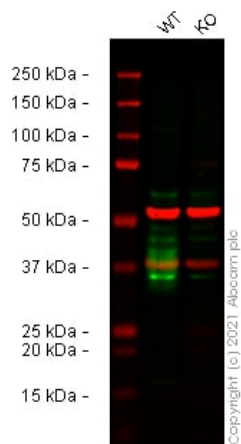
Heat mediated antigen retrieval using Bond[™] Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling CD90 / Thy1 with ab92574 at 1/400 dilution (0.26 µg/ml) followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody at a ready to use concentration. Positive staining on human tonsil. The section was incubated with ab92574 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with Hematoxylin.

Heat mediated antigen retrieval using Bond[™] Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes.



Western blot - Anti-CD90 / Thy1 antibody
[EPR3132] (ab92574)

All lanes : Anti-CD90 / Thy1 antibody [EPR3132] (ab92574) at 1/500 dilution

Lane 1 : Wild-type U-2 OS cell lysate

Lane 2 : THY1 knockout U-2 OS cell lysate

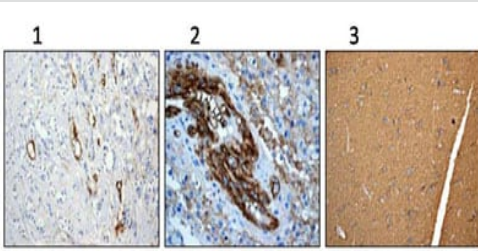
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 35-45 kDa

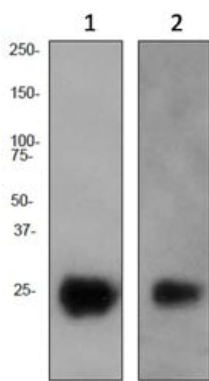
False colour image of Western blot: Anti-CD90 / Thy1 antibody [EPR3132] staining at 1/500 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab92574 was shown to bind specifically to CD90 / Thy1. A band was observed at 35-45 kDa in wild-type U-2 OS cell lysates with no signal observed at this size in Thy1 knockout cell line [ab262490](#) (knockout cell lysate [ab263925](#)). To generate this image, wild-type and Thy1 knockout U-2 OS cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

ab92574 at 1/100 dilution staining CD90 / Thy1 in (1) Human breast carcinoma, (2) Human glioma & (3) Human brain tissue by Immunohistochemistry Formalin-fixed, Paraffin-embedded tissue. Detection: DAB staining.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Western blot - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

All lanes : Anti-CD90 / Thy1 antibody [EPR3132] (ab92574) at 1/1000 dilution

Lane 1 : Human fetal brain lysate

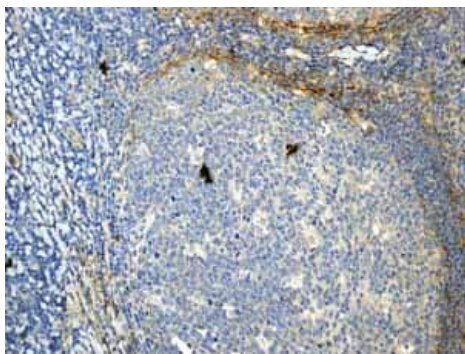
Lane 2 : Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

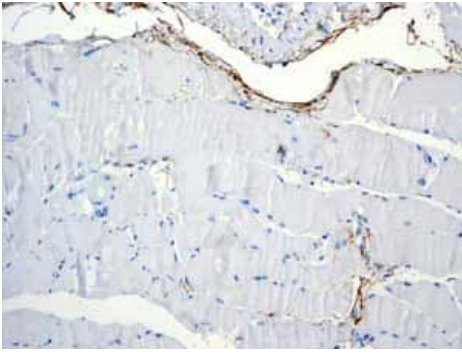
Predicted band size: 18 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

ab92574 showing positive staining in Normal human tonsil vessels tissue.

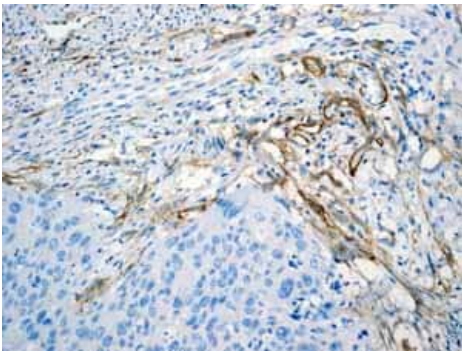
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

ab92574 showing positive staining in human Skeletal muscle vessels tissue.

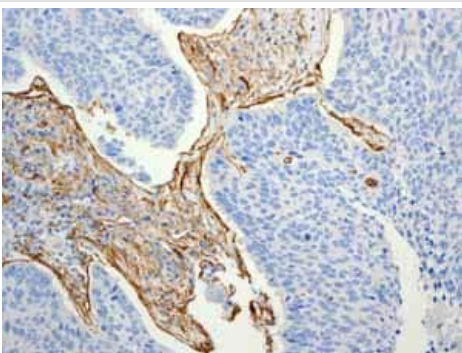
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

ab92574 showing positive staining in human Cervical carcinoma tissue.

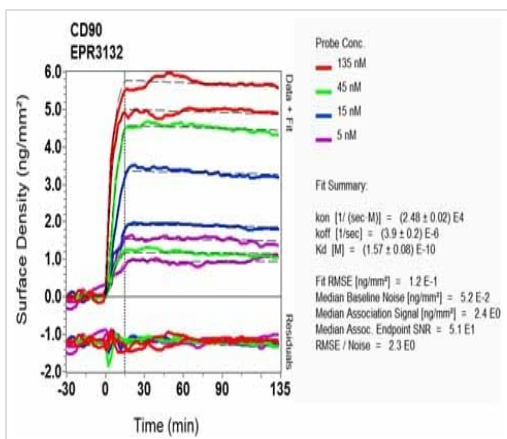
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3132] (ab92574)

ab92574 showing positive staining in human Lung adenocarcinoma tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



OI-RD Scanning - Anti-CD90 / Thy1 antibody

[EPR3132] (ab92574)

Equilibrium disassociation 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-CD90 / Thy1 antibody [EPR3132] (ab92574)

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