

Anti-CD90 / Thy1 antibody [EPR3133] ab133350

敲除验证
重组
RabMAb

★★★★☆
[6 Abreviews](#)
[61 References](#)
[5 图像](#)

概述

产品名称	Anti-CD90 / Thy1抗体[EPR3133]
描述	兔单克隆抗体[EPR3133] to CD90 / Thy1
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF 不适用于: Flow Cyt or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC: Human tonsil tissue; WB: Human glioma and brain tissue lysate; ICC/IF: Jurkat cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3133

同种型lgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab133350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
IHC-P	★★★★★ (5)	1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000 - 1/5000. Predicted molecular weight: 17 kDa. Observed molecular weight may vary depending on the glycosylation level of the target.
ICC/IF	★★★★★ (1)	1/50.

应用说明 Is unsuitable for Flow Cyt or IP.

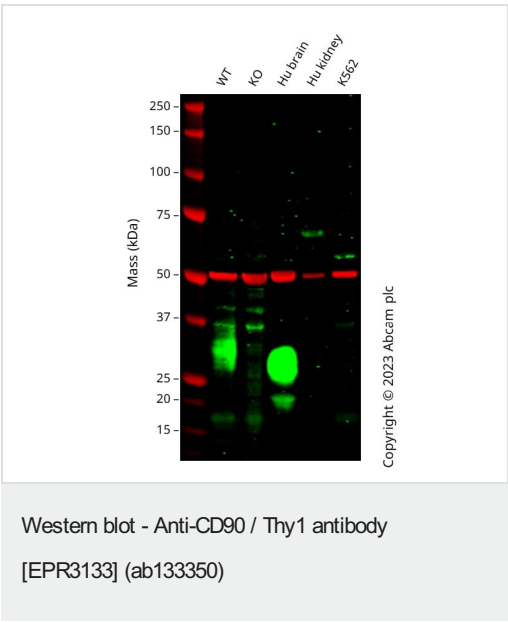
靶标

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



All lanes : Anti-CD90 / Thy1 antibody [EPR3133] (ab133350) at 1/2000 dilution

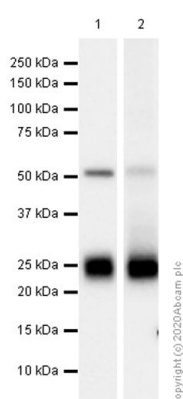
- Lane 1 :** Wild-type U-2 OS cell lysate
- Lane 2 :** THY1 knockout U-2 OS cell lysate
- Lane 3 :** Human brain cell lysate
- Lane 4 :** Human kidney cell lysate
- Lane 5 :** K562 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 17 kDa
Observed band size: 25-37 kDa

Anti-THY1 antibody [EPR3133] (ab133350) staining at 1/2000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab133350 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.



Western blot - Anti-CD90 / Thy1 antibody
[EPR3133] (ab133350)

All lanes : Anti-CD90 / Thy1 antibody [EPR3133] (ab133350) at 1/1000 dilution (Purified)

Lane 1 : Human glioma lysate

Lane 2 : Human brain lysate

Lysates/proteins at 15 µg per lane.

Secondary

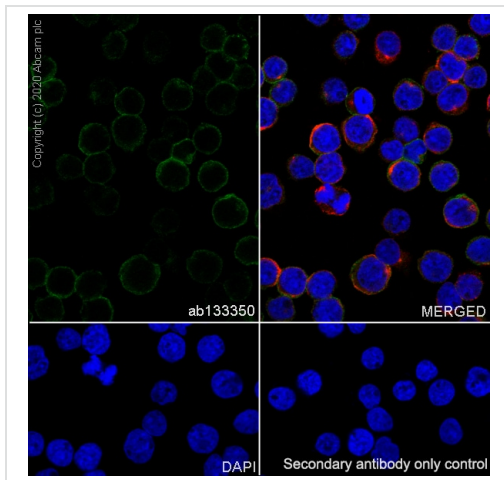
All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 17 kDa

Observed band size: 25-35 kDa

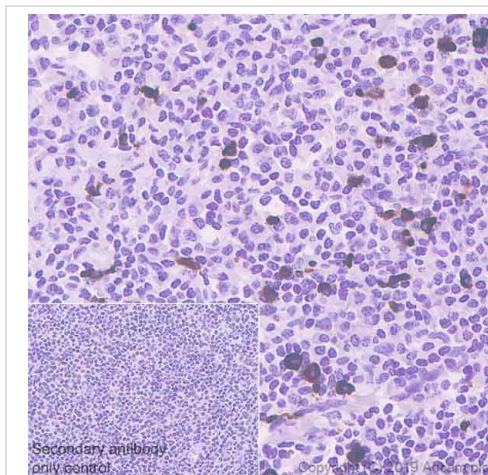
The molecular weight observed is consistent with what has been described in the literature (PMID: 24116172 and PMID: 30177788).

Blocking Buffer and concentration: 5% NFDM/TBST



Immunocytochemistry/ Immunofluorescence - Anti-CD90 / Thy1 antibody [EPR3133] (ab133350)

Immunocytochemistry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling CD90 / Thy1 with Purified ab133350 at 1:50 dilution (2.44 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD90 / Thy1 antibody [EPR3133] (ab133350)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling CD90 / Thy1 with Purified ab133350 at 1:4000 dilution (0.03 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

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 [EPR3133] (ab133350)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors