

### Anti-CD90 / Thy1 antibody [EPR3133] ab133350

KO 評価済 リコンビナント RabMAb

★★★★☆ 6 Abreviews 61 References 画像数 5

#### 製品の概要

製品名	Anti-CD90 / Thy1 antibody [EPR3133]
製品の詳細	Rabbit monoclonal [EPR3133] to CD90 / Thy1
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IHC-P, WB, ICC/IF <b>適用なし:</b> Flow Cyt or IP
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC: Human tonsil tissue; WB: Human glioma and brain tissue lysate; ICC/IF: Jurkat cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>.</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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR3133

アイソタイプlgG

アプリケーション

The Abpromise guarantee      **Abpromise保証は、次のテスト済みアプリケーションにおけるab133350の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

追加情報      Is unsuitable for Flow Cyt or IP.

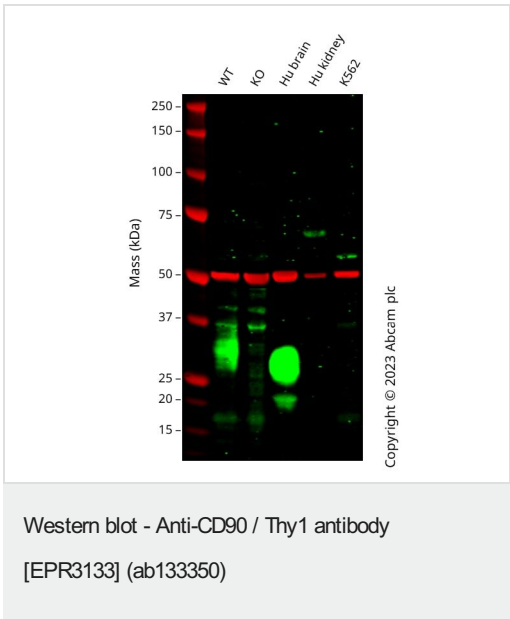
ターゲット情報

機能      May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.

配列類似性      Contains 1 Ig-like V-type (immunoglobulin-like) domain.

細胞内局在      Cell membrane.

画像



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

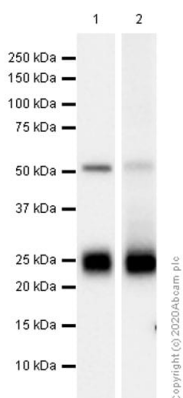
- Lane 1 :** Wild-type U-2 OS cell lysate
- Lane 2 :** THY1 knockout U-2 OS cell lysate
- Lane 3 :** Human brain cell lysate
- Lane 4 :** Human kidney cell lysate
- Lane 5 :** K562 cell lysate

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<sup>®</sup> 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

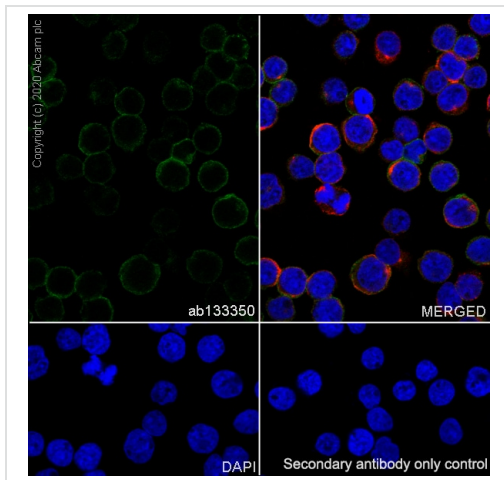
**All lanes :** Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 17 kDa

**Observed band size:** 25-35 kDa

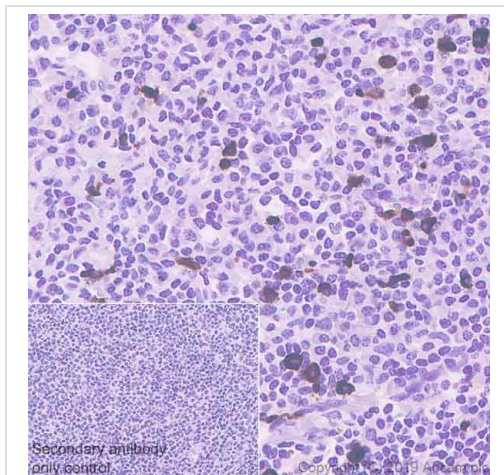
The molecular weight observed is consistent with what has been described in the literature (PMID: 24116172 and PMID: 30177788).

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"

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