

Anti-CD90 / Thy1 antibody [EPR3133] - Low endotoxin, Azide free ab216449

KO 評価済 リコンビナント RabMAb

4 References 画像数 5

製品の概要

製品名	Anti-CD90 / Thy1 antibody [EPR3133] - Low endotoxin, Azide free
製品の詳細	Rabbit monoclonal [EPR3133] to CD90 / Thy1 - Low endotoxin, Azide free
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P, ICC/IF 適用なし: Flow Cyt or IP
種交差性	交差種: 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>ab216449 is the carrier-free version of ab133350.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <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>Our Low endotoxin, azide-free formats have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.</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.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
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	IgG

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ab216449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。

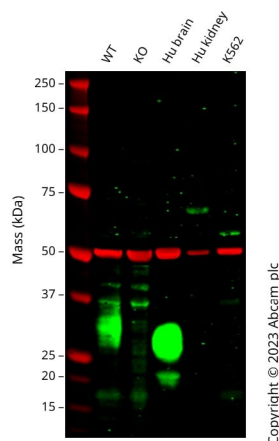
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 17 kDa. Observed molecular weight may vary depending on the glycosylation level of the target.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

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



Western blot - Anti-CD90 / Thy1 antibody
[EPR3133] - Low endotoxin, Azide free (ab216449)

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.

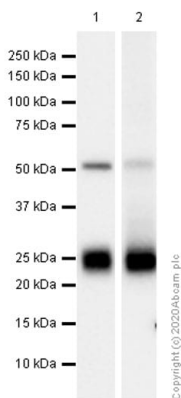
Performed under reducing conditions.

Predicted band size: 17 kDa

Observed band size: 25-37 kDa

This data was developed using [ab133350](#), the same antibody clone in a different buffer formulation.

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] - Low endotoxin, Azide free (ab216449)

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

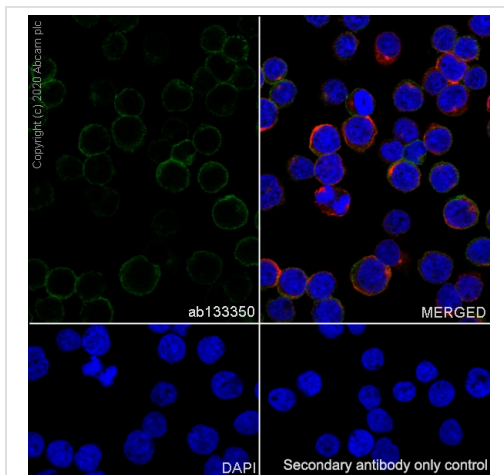
Predicted band size: 17 kDa

Observed band size: 25-35 kDa

This data was developed using [ab133350](#), the same antibody clone in a different buffer formulation.

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

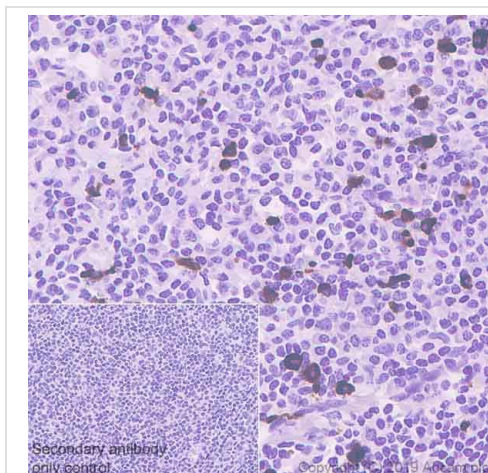
Blocking Buffer and concentration: 5% NFDM/TBST



Immunocytochemistry/ Immunofluorescence - Anti-CD90 / Thy1 antibody [EPR3133] - Low endotoxin, Azide free (ab216449)

This data was developed using [ab133350](#), the same antibody clone in a different buffer formulation.

Immunocytochemistry analysis of Jurkat (Human T cell leukemia T lymphocyte) cells labeling CD90 / Thy1 with Purified ab216449 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] - Low endotoxin, Azide free (ab216449)

This data was developed using [ab133350](#), the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling CD90 / Thy1 with Purified ab216449 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] - Low
endotoxin, Azide free (ab216449)

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.co.jp/abpromise> or contact our technical team.

Terms and conditions

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