

Anti-CD105 antibody [EPR10145-12] - BSA and Azide free ab271922

KO 評価済 リコンビナント RabMAb

★★★★★ [1 Abreviews](#) [画像数 7](#)

製品の概要

製品名	Anti-CD105 antibody [EPR10145-12] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR10145-12] to CD105 - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human
免疫原	Recombinant fragment corresponding to Human CD105 aa 1-200. Database link: P17813
ポジティブ・コントロール	WB: ECV-304 and HUVEC cell lysates, human tonsil tissue lysate and immunoprecipitation pellet from ECV-304 cell lysate. IHC-P: Human glioma, clear cell carcinoma, tonsil and kidney tissues.
特記事項	<p>ab271922 is the carrier-free version of ab169545.</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 compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</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</p>

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

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	EPR10145-12
アイソタイプ	IgG

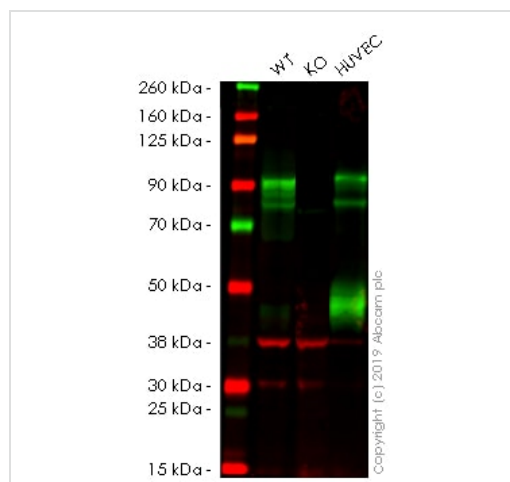
アプリケーション

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ab271922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: 70 kDa. For unpurified use at 1/50.
IHC-P	★★★★★ (1)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See IHC antigen retrieval protocols. For unpurified use at 1/30.

ターゲット情報

機能	Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors.
組織特異性	Endoglin is restricted to endothelial cells in all tissues except bone marrow.
関連疾患	Defects in ENG are the cause of hereditary hemorrhagic telangiectasia type 1 (HHT1) [MIM:187300, 108010]; also known as Osler-Rendu-Weber syndrome 1 (ORW1). HHT1 is an autosomal dominant multisystemic vascular dysplasia, characterized by recurrent epistaxis, muco-cutaneous telangiectases, gastro-intestinal hemorrhage, and pulmonary (PAVM), cerebral (CAVM) and hepatic arteriovenous malformations; all secondary manifestations of the underlying vascular dysplasia. Although the first symptom of HHT1 in children is generally nose bleed, there is an important clinical heterogeneity.
細胞内局在	Membrane.



Western blot - Anti-CD105 antibody [EPR10145-12]
- BSA and Azide free (ab271922)

All lanes : Anti-CD105 antibody [EPR10145-12] ([ab169545](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa whole cell lysate

Lane 2 : CD105 knockout HeLa whole cell lysate

Lane 3 : HUVEC whole cell lysate

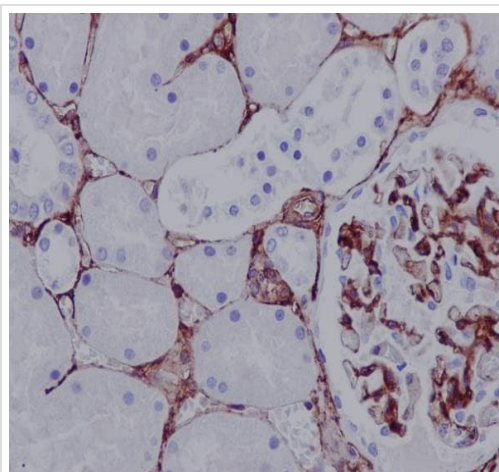
Lysates/proteins at 20 µg per lane.

Predicted band size: 70 kDa

Lanes 1 - 3: Merged signal (red and green). Green - [ab169545](#) observed at 70 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

[ab169545](#) was shown to recognize CD105 in wild-type HeLa cells as signal was lost at the expected MW in CD105 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and CD105 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% milk. Ab169545 and [ab8245](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed [ab216776](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

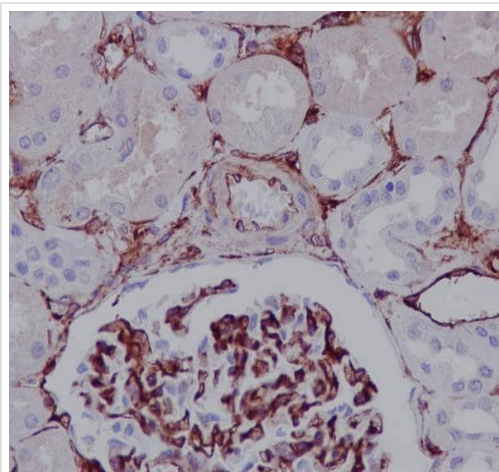
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab169545](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD105 antibody [EPR10145-12] - BSA and Azide free (ab271922)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling CD105 with purified **ab169545** at 1/900. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with hematoxylin.

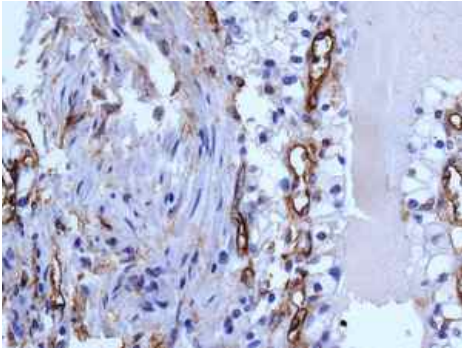
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab169545**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD105 antibody [EPR10145-12] - BSA and Azide free (ab271922)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling CD105 with unpurified **ab169545** at 1/30. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. A prediluted HRP-polymer conjugated anti-rabbit IgG was used as the secondary antibody. Counterstained with hematoxylin.

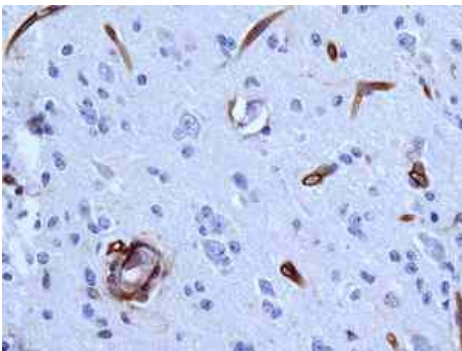
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab169545**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD105 antibody [EPR10145-12] - BSA and Azide free (ab271922)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis human clear cell carcinoma tissue labelling CD105 with unpurified [ab169545](#) at 1/250.

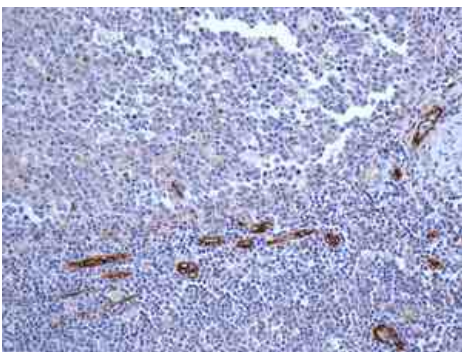
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab169545](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD105 antibody [EPR10145-12] - BSA and Azide free (ab271922)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human glioma tissue labelling CD105 with unpurified [ab169545](#) at 1/250.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab169545](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD105 antibody [EPR10145-12] - BSA and Azide free (ab271922)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD105 with unpurified [ab169545](#) at 1/250.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab169545](#)).

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-CD105 antibody [EPR10145-12] - BSA and Azide free (ab271922)

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