

Anti-PD1 antibody [EPR20665] ab214421

リコンビナント **RabMAb**

★★★★★ **3 Abreviews** **27 References** 画像数 5

製品の概要

製品名	Anti-PD1 antibody [EPR20665]
製品の詳細	Rabbit monoclonal [EPR20665] to PD1
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: IHC-Fr
種交差性	交差種: Mouse
免疫原	This product was produced with the following immunogens: Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: EL4.IL-2 (mouse lymphoma T lymphocyte), whole cell lysate. IHC-P: Mouse spleen and thymus tissues.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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 .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol, PBS
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	EPR20665
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ab214421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確認ください。

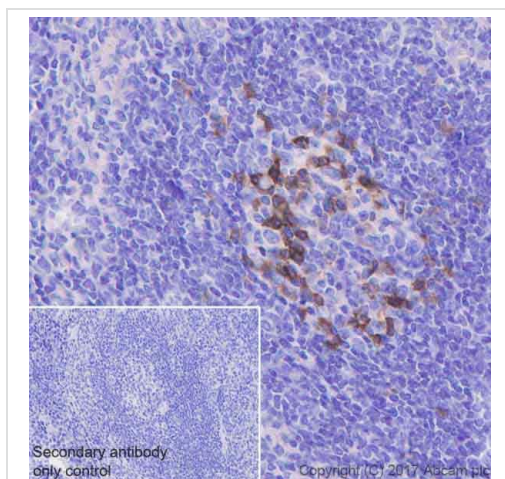
アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 50-55 kDa (predicted molecular weight: 31 kDa).
IHC-P	★★★★★ (2)	1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.

追加情報 Is unsuitable for IHC-Fr.

ターゲット情報

機能	Possible cell death inducer, in association with other factors.
関連疾患	Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.
配列類似性	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
発生段階	Induced at programmed cell death.
細胞内局在	Membrane.

画像

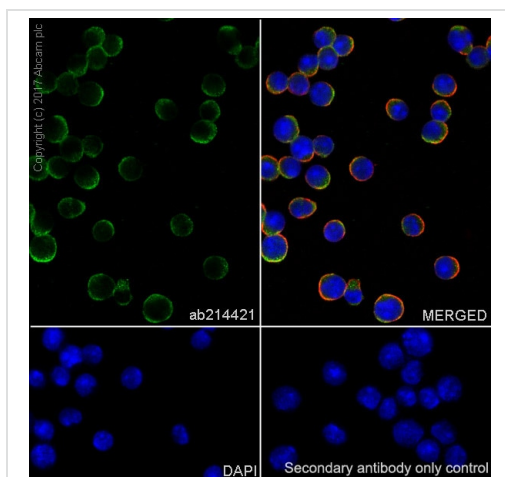


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD1 antibody [EPR20665] (ab214421)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling PD1 with ab214421 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on the germinal center of mouse spleen. (PMID: 21750671, PMID: 17640856). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

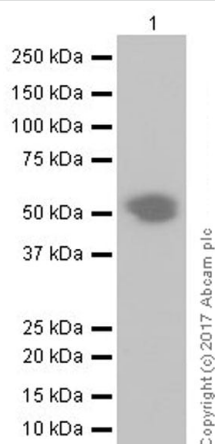


Immunocytochemistry/ Immunofluorescence - Anti-PD1 antibody [EPR20665] (ab214421)

Immunofluorescent analysis of 100% methanol-fixed EL4.IL-2 (mouse lymphoma T lymphocyte) cells labeling PD1 with ab214421 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on EL4.IL-2 cell line.

The nuclear counterstain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) (red) at 1/200 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.



Western blot - Anti-PD1 antibody [EPR20665]
(ab214421)

Anti-PD1 antibody [EPR20665] (ab214421) at 1/1000 dilution +
EL4.IL-2 (mouse lymphoma T lymphocyte) whole cell lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

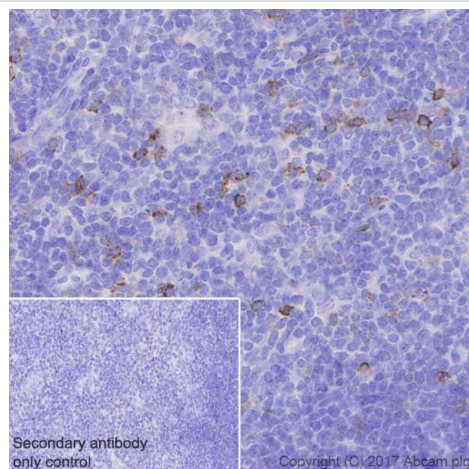
Developed using the ECL technique.

Predicted band size: 31 kDa

Observed band size: 50-55 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-PD1 antibody
[EPR20665] (ab214421)

Immunohistochemical analysis of paraffin-embedded mouse thymus
tissue labeling PD1 with ab214421 at 1/1000 dilution, followed by
Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Sporadic
cytoplasmic staining on mouse thymus medulla. (PMID: 21750671,
PMID: 17640856). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary
antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP)
Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH
9.0 before commencing with IHC staining protocol.

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-PD1 antibody [EPR20665] (ab214421)

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

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