


Anti-Radixin/RDX antibody [EP1862Y] ab52495

リコンビナント **RabMAb**

★★★★★ **4 Abreviews** **22 References** **画像数 5**

製品の概要

製品名	Anti-Radixin/RDX antibody [EP1862Y]
製品の詳細	Rabbit monoclonal [EP1862Y] to Radixin/RDX
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF, WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide within Human Radixin/RDX aa 350-450 (N terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa cell lysate. IHC-P: Paraffin embedded human ovarian carcinoma. Flow Cyt (intra): HeLa cells. ICC/IF: Mcf7 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EP1862Y
アイソタイプ IgG

アプリケーション

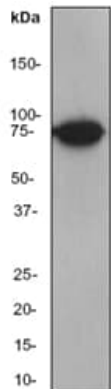
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★ (2)	Use a concentration of 5 µg/ml.
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 80 kDa (predicted molecular weight: 80 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	Probably plays a crucial role in the binding of the barbed end of actin filaments to the plasma membrane.
関連疾患	Defects in RDX are the cause of deafness autosomal recessive type 24 (DFNB24) [MIM:611022]. DFNB24 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.
配列類似性	Contains 1 FERM domain.
ドメイン	The N-terminal domain interacts with the C-terminal domain of LAYN. An interdomain interaction between its N-terminal and C-terminal domains inhibits its ability to bind LAYN. In the presence of acidic phospholipids, the interdomain interaction is inhibited and this enhances binding to LAYN.
翻訳後修飾	Phosphorylated by tyrosine-protein kinases.
細胞内局在	Cell membrane. Cytoplasm > cytoskeleton. Cleavage furrow. Highly concentrated in the undercoat of the cell-to-cell adherens junction and the cleavage furrow in the interphase and mitotic phase, respectively.

画像



Western blot - Anti-Radixin/RDX antibody
[EP1862Y] (ab52495)

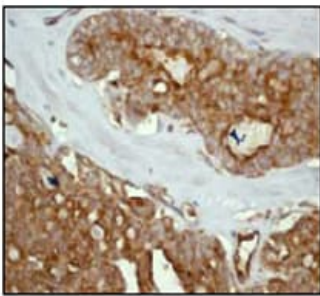
Anti-Radixin/RDX antibody [EP1862Y] (ab52495) at 1/1000 dilution
+ HeLa cell lysate at 10 μ g

Secondary

HRP labeled goat anti-rabbit at 1/2000 dilution

Predicted band size: 80 kDa

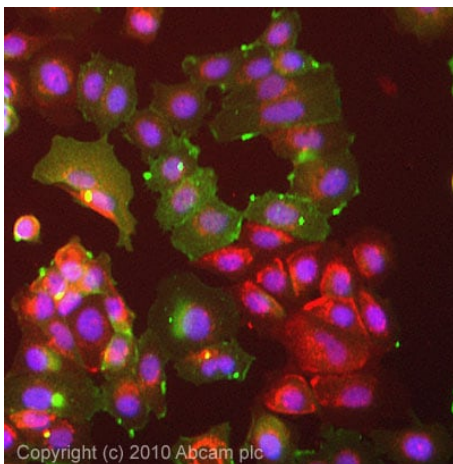
Observed band size: 80 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-Radixin/RDX antibody
[EP1862Y] (ab52495)

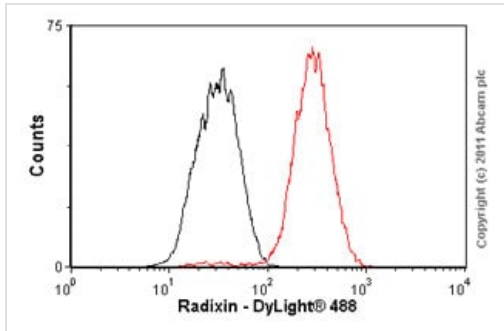
Immunohistochemical staining of paraffin-embedded human ovarian
carcinoma using ab52495 at 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6
before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-
Radixin/RDX antibody [EP1862Y] (ab52495)


ICC/IF image of ab52495 stained Mcf7 cells. The cells were 4%
formaldehyde fixed (10 min) and then incubated in 1%BSA / 10%
normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to
permeabilise the cells and block non-specific protein-protein
interactions. The cells were then incubated with the antibody
(ab52495, 5 μ g/ml) overnight at +4°C. The secondary antibody
(green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a
1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label
plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used
to stain the cell nuclei (blue) at a concentration of 1.43 μ M.



Flow Cytometry (Intracellular) - Anti-Radixin/RDX antibody [EP1862Y] (ab52495)

Overlay histogram showing HeLa cells stained with ab52495 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab52495, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Radixin/RDX antibody [EP1862Y] (ab52495)

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