abcam

Product datasheet

Anti-RASA1 (phospho Y460) antibody [EPR2620(2)] - BSA and Azide free ab247875

リコンビナント RabMAb

画像数 3

製品の概要

製品名	Anti-RASA1 (phospho Y460) antibody [EPR2620(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR2620(2)] to RASA1 (phospho Y460) - BSA and Azide free
由来種	Rabbit
特異性	This antibody only detects GAP phosphorylated at Tyrosine 460.
アプリケーション	**適用あり:** WB, ICC/IF **適用なし:** IHC-P or IP
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. This information is proprietary to Abcam and/or its suppliers.
特記事項	ab247875 is the carrier-free version of **ab109465**. 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. 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. 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. 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. 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. 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	EPR2620(2)
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ab247875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: 116 kDa.
ICC/IF		Use at an assay dependent concentration.

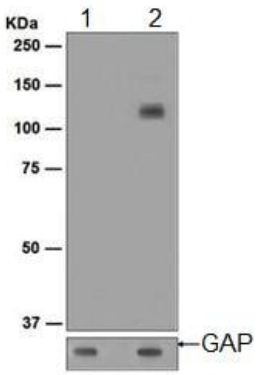
追加情報 Is unsuitable for IHC-P or IP.

ターゲット情報

機能	Inhibitory regulator of the Ras-cyclic AMP pathway. Stimulates the GTPase of normal but not oncogenic Ras p21.
組織特異性	In placental villi, detected only in the trophoblast layer (cytotrophoblast and syncytiotrophoblast). Not detected in stromal, endothelial or Hofbauer cells (at protein level).
関連疾患	Note=Mutations in the SH2 domain of RASA seem to be oncogenic and cause basal cell carcinomas. Defects in RASA1 are the cause of capillary malformation-arteriovenous malformation (CMAVM) [MIM:608354]. CMAVM is a disorder characterized by atypical capillary malformations that are multiple, small, round to oval in shape and pinkish red in color. These capillary malformations are associated with either arteriovenous malformation, arteriovenous fistula, or Parkes Weber syndrome. Defects in RASA1 are a cause of Parkes Weber syndrome (PKWS) [MIM:608355]. PKWS is a disorder characterized by a cutaneous flush with underlying multiple micro-arteriovenous fistulas, in association with soft tissue and skeletal hypertrophy of the affected limb.
配列類似性	Contains 1 C2 domain. Contains 1 PH domain.

	Contains 1 Ras-GAP domain. Contains 2 SH2 domains. Contains 1 SH3 domain.
翻訳後修飾	The N-terminus is blocked.
細胞内局在	Cytoplasm.

画像



Western blot - Anti-RASA1 (phospho Y460) antibody [EPR2620(2)] - BSA and Azide free (ab247875)

All lanes : Anti-RASA1 (phospho Y460) antibody [EPR2620(2)] (**ab109465**) at 1/1000 dilution

Lane 1 : 293T cell lysates, untreated
Lane 2 : 293T cell lysates treated with Pervanadate

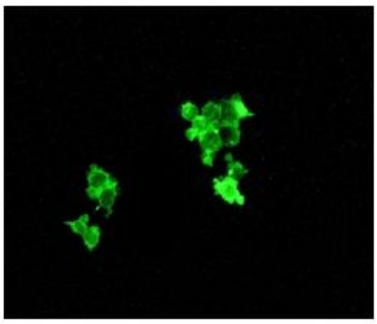
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP-labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 116 kDa

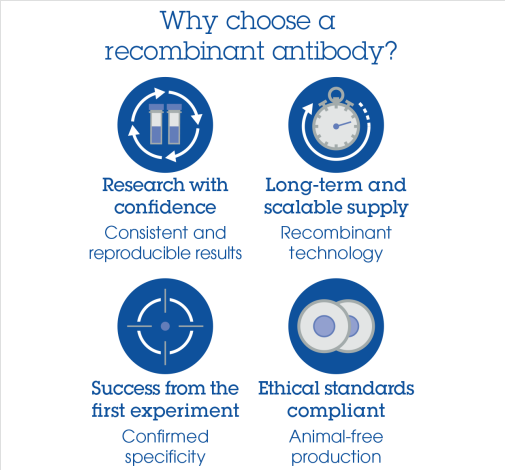
This data was developed using **ab109465**, the same antibody clone in a different buffer formulation.

Note: The lower panel utilized an alternative anti-GAP antibody which does not require phosphorylation for detection of the antigen.



Immunocytochemistry/ Immunofluorescence - Anti-RASA1 (phospho Y460) antibody [EPR2620(2)] - BSA and Azide free (ab247875)

This data was developed using **ab109465**, the same antibody clone in a different buffer formulation.**ab109465** at 1/100 dilution staining GAP in 293T cells by Immunofluorescence.



Anti-RASA1 (phospho Y460) antibody [EPR2620(2)]

- BSA and Azide free (ab247875)

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