

Anti-Crk p38 antibody [EP242Y] ab45136

リコンビナント RabMAb

★★★★★ **1 Abreviews** **3 References** **画像数 3**

製品の概要

製品名	Anti-Crk p38 antibody [EP242Y]
製品の詳細	Rabbit monoclonal [EP242Y] to Crk p38
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF, Flow Cyt (Intra) 適用なし: Flow Cyt or IP
種交差性	交差種: Mouse, Rat, 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	WB: K-562, C6, and NIH/3T3 whole cell lysates. ICC/IF: HepG2 cells. Flow Cyt (Intra): HeLa cells.
特記事項	This product has switched from a hybridoma to recombinant production method on 9th June 2023. 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
精製度	Protein A purified
ポリモノ	モノクローナル
クローン名	EP242Y
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ab45136の使用に適用されず**
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。

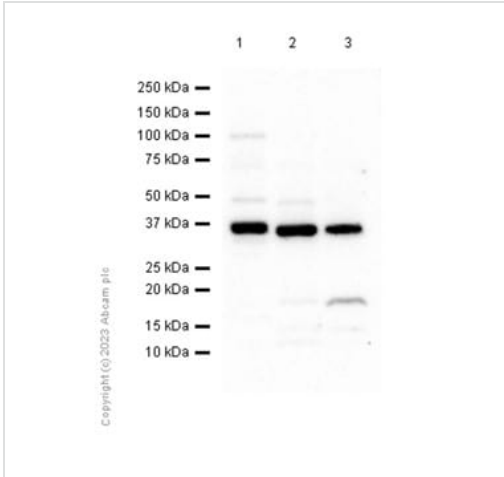
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000. Detects a band of approximately 37 kDa (predicted molecular weight: 34 kDa).
ICC/IF		1/50.
Flow Cyt (Intra)		1/50.

追加情報 Is unsuitable for Flow Cyt or IP.

ターゲット情報

機能	The Crk-I and Crk-II forms differ in their biological activities. Crk-II has less transforming activity than Crk-I. Crk-II mediates attachment-induced MAPK8 activation, membrane ruffling and cell motility in a Rac-dependent manner. Involved in phagocytosis of apoptotic cells and cell motility via its interaction with DOCK1 and DOCK4.
配列類似性	Belongs to the CRK family. Contains 1 SH2 domain. Contains 2 SH3 domains.
ドメイン	The C-terminal SH3 domain function as a negative modulator for transformation and the N-terminal SH3 domain appears to function as a positive regulator for transformation. The SH2 domain mediates interaction with SHB.
翻訳後修飾	Phosphorylation of Crk-II (40 kDa) gives rise to a 42 kDa form. Phosphorylated on Tyr-221 upon cell adhesion. Results in the negative regulation of the association with SH2- and SH3-binding partners, possibly by the formation of an intramolecular interaction of phosphorylated Tyr-221 with the SH2 domain. This leads finally to the down-regulation of the Crk signaling pathway.
細胞内局在	Cytoplasm. Cell membrane. Translocated to the plasma membrane upon cell adhesion.

画像



Western blot - Anti-Crk p38 antibody [EP242Y] (ab45136)

All lanes : Anti-Crk p38 antibody [EP242Y] (ab45136) at 1/1000 dilution

Lane 1 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate

Lane 2 : C6 (Rat glial tumor glial cell) whole cell lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

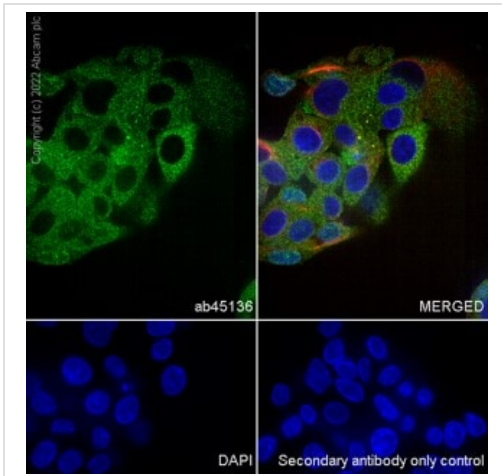
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 34 kDa

Observed band size: 37 kDa

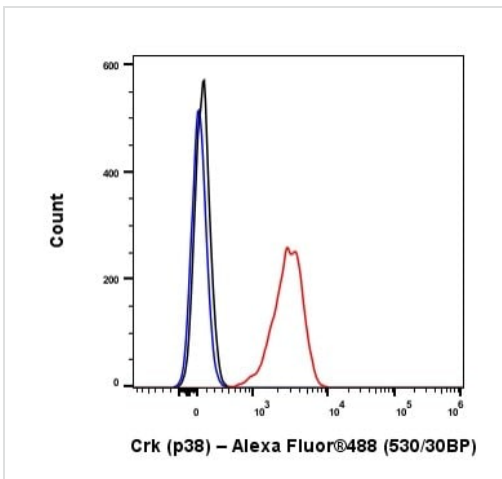
Exposure time: 40 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-Crk p38 antibody [EP242Y] (ab45136)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HepG2 cells labelling Crk with ab45136 at 1/50 dilution. Confocal image showing cytoplasmic and membranous staining in subsets of HepG2 cells. **ab195889** AlexaFluor® 594-conjugated Anti-alpha Tubulin was used to counterstain tubulin at 1/200 dilution. The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-Crk p38 antibody [EP242Y] (ab45136)

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa cells labelling Crk with ab45136 at 1/50 dilution (Red) compared with an isotype control (Black) and an unlabelled control (Cell without incubation with primary antibody and secondary antibody (Blue)). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, **ab150081**) was used as the secondary antibody.

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