abcam

Product datasheet

Anti-PGD antibody [EPR6565] - BSA and Azide free ab248347

リコンビナント RabMAb

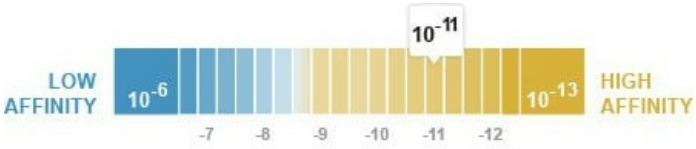
画像数 6

製品の概要

製品名	Anti-PGD antibody [EPR6565] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6565] to PGD - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, WB, Flow Cyt (Intra) **適用なし:** IHC-P
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.
特記事項	ab248347 is the carrier-free version of **ab129199**. 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.
解離定数（K_D 値）	$K_D = 4.53 \times 10^{-11}$ M



Learn more about K_D

バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Affinity purified
ポリ/モノ	モノクローナル
クローン名	EPR6565
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ab248347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。

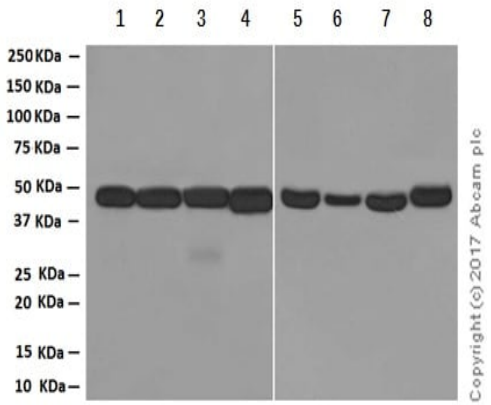
アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 45 kDa (predicted molecular weight: 53 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能	Catalyzes the oxidative decarboxylation of 6-phosphogluconate to ribulose 5-phosphate and CO(2), with concomitant reduction of NADP to NADPH.
パスウェイ	Carbohydrate degradation; pentose phosphate pathway; D-ribulose 5-phosphate from D-glucose 6-phosphate (oxidative stage): step 3/3.
配列類似性	Belongs to the 6-phosphogluconate dehydrogenase family.
細胞内局在	Cytoplasm.

画像



Western blot - Anti-PGD antibody [EPR6565] - BSA and Azide free (ab248347)

All lanes : Anti-PGD antibody [EPR6565] (**ab129199**) at 1/5000 dilution

Lane 1 : Mouse brain tissue lysates
Lane 2 : Mouse heart tissue lysates
Lane 3 : Mouse kidney tissue lysates
Lane 4 : Mouse spleen tissue lysates
Lane 5 : Rat brain tissue lysates
Lane 6 : Rat heart tissue lysates
Lane 7 : Rat kidney tissue lysates
Lane 8 : Rat spleen tissue lysates

Lysates/proteins at 20 µg per lane.

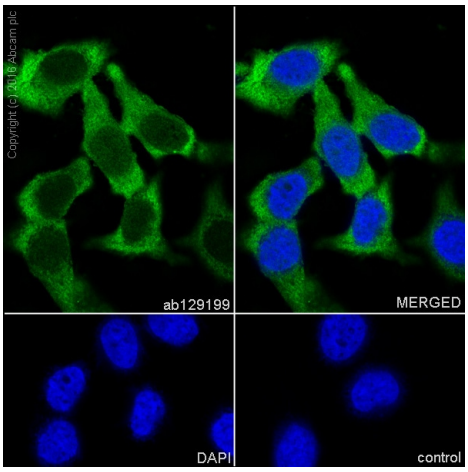
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 53 kDa
Observed band size: 45 kDa

Exposure time: 3 minutes

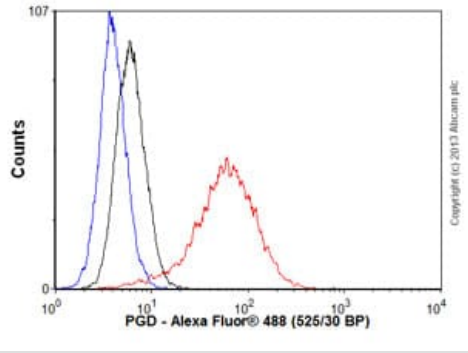
This data was developed using **ab129199**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



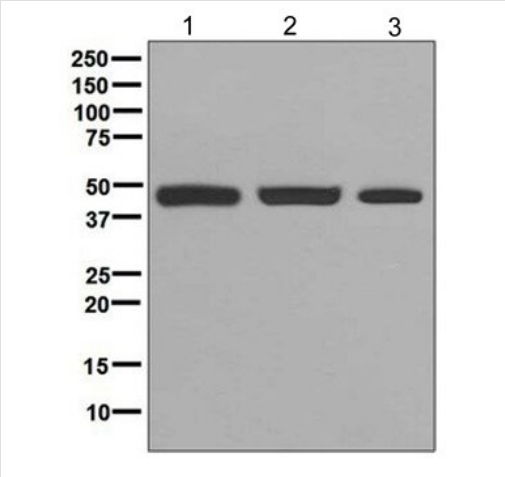
Immunocytochemistry/ Immunofluorescence - Anti-PGD antibody [EPR6565] - BSA and Azide free (ab248347)

This data was developed using **ab129199**, the same antibody clone in a different buffer formulation.Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling PGD with **ab129199** at 1/500. Cells were fixed with 100% methanol. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Control: PBS only.
Nuclear counter stain: DAPI.



Flow Cytometry (Intracellular) - Anti-PGD antibody [EPR6565] - BSA and Azide free (ab248347)

This data was developed using **ab129199**, the same antibody clone in a different buffer formulation.Overlay histogram showing HEK293 cells stained with **ab129199** (red line). The cells were fixed with 4% paraformaldehyde (10 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 (**ab129199**, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (0.1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HEK293 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Western blot - Anti-PGD antibody [EPR6565] - BSA and Azide free (ab248347)

All lanes : Anti-PGD antibody [EPR6565] (**ab129199**) at 1/1000 dilution

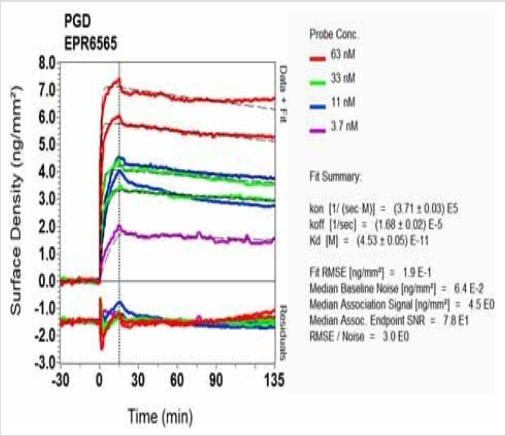
Lane 1 : Raji cell lysate
Lane 2 : Molt-4 cell lysate
Lane 3 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lysates/proteins at 10 µg per lane.

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

Predicted band size: 53 kDa
Observed band size: 45 kDa

This data was developed using **ab129199**, the same antibody clone in a different buffer formulation.



OI-RD Scanning - Anti-PGD antibody [EPR6565] - BSA and Azide free (ab248347)

This data was developed using **ab129199**, the same antibody clone in a different buffer formulation.Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Anti-PGD antibody [EPR6565] - BSA and Azide free (ab248347)

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