abcam

Product datasheet

Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free ab248343

リコンビナント RabMAb

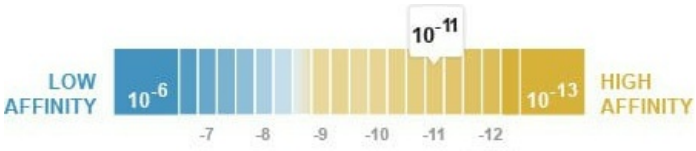
画像数 7

製品の概要

製品名	Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1891(2)] to Bad (phospho S112) - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** Dot blot, IP, WB **適用なし:** ICC/IF or IHC-P
種交差性	**交差種:** Rat, Human **交差が予測される動物種:** Mouse
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	ab248343 is the carrier-free version of **ab129192**. 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）	$K_D = 4.70 \times 10^{-11}$ 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	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR1891(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ab248343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
Dot blot		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 18 kDa.

追加情報 Is unsuitable for ICC/IF or IHC-P.

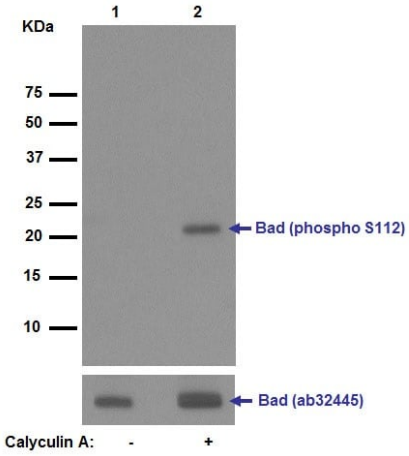
ターゲット情報

機能	Promotes cell death. Successfully competes for the binding to Bcl-X(L), Bcl-2 and Bcl-W, thereby affecting the level of heterodimerization of these proteins with BAX. Can reverse the death repressor activity of Bcl-X(L), but not that of Bcl-2 (By similarity). Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.
組織特異性	Expressed in a wide variety of tissues.
配列類似性	Belongs to the Bcl-2 family.
ドメイン	Intact BH3 motif is required by BIK, BID, BAK, BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family.
翻訳後修飾	Phosphorylated on one or more of Ser-75, Ser-99, Ser-118 and Ser-134 in response to survival stimuli, which blocks its pro-apoptotic activity. Phosphorylation on Ser-99 or Ser-75 promotes

heterodimerization with 14-3-3 proteins. This interaction then facilitates the phosphorylation at Ser-118, a site within the BH3 motif, leading to the release of Bcl-X(L) and the promotion of cell survival. Ser-99 is the major site of AKT/PKB phosphorylation, Ser-118 the major site of protein kinase A (CAPK) phosphorylation. Ser-75 is phosphorylated by AKT/PKB, protein kinase A and PIM2.

細胞内局在 Mitochondrion outer membrane. Cytoplasm. Upon phosphorylation, locates to the cytoplasm.

画像



Western blot - Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

All lanes : Anti-Bad (phospho S112) antibody [EPR1891(2)] (**ab129192**) at 1/5000 dilution (purified)

Lane 1 : Untreated C6 cells
Lane 2 : C6 cells treated with Calcyculin A

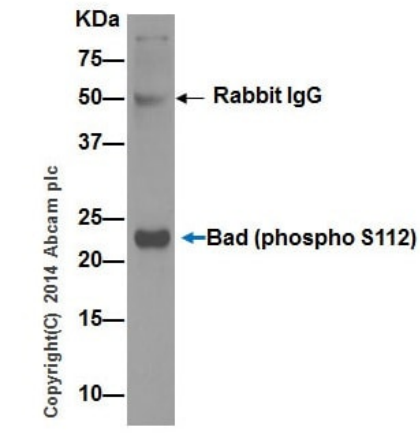
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 18 kDa
Observed band size: 23 kDa

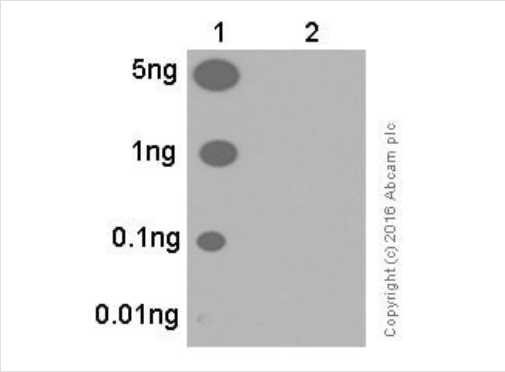
This data was developed using **ab129192**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



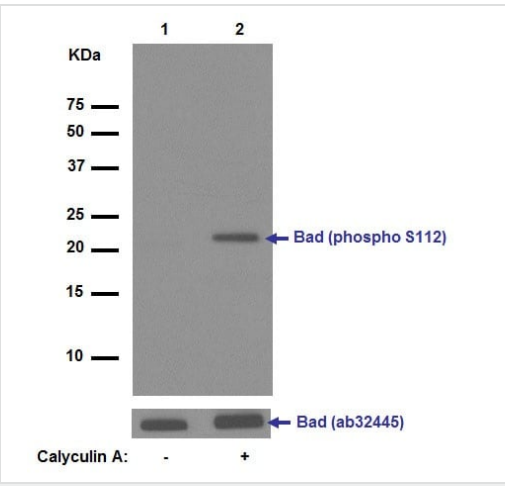
Immunoprecipitation - Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

This data was developed using **ab129192**, the same antibody clone in a different buffer formulation.**ab129192** (purified) at 1/30 immunoprecipitating Bad in HeLa cell lysate treated with Calcyculin A (Lane 1). For western blotting a HRP-conjugated anti-rabbit IgG was used as the secondary antibody (1/1000).Blocking buffer and concentration: 5% NFDM/TBST.Diluting buffer and concentration: 5% NFDM /TBST.



Dot Blot - Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

This data was developed using **ab129192**, the same antibody clone in a different buffer formulation.Dot blot analysis of Bad (phospho S112) using **ab129192** primary antibody at a dilution of 1/1000. **ab97051** was used as a secondary antibody at a dilution of 1/100,000. **Lane 1:** Bad (pS112) phospho peptide
Lane 2: Bad non-phospho peptide **Blocking and diluting buffer:** 5% NFDM/TBST



Western blot - Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

All lanes : Anti-Bad (phospho S112) antibody [EPR1891(2)] (**ab129192**) at 1/20000 dilution (purified)

Lane 1 : Untreated HeLa cell lysate
Lane 2 : HeLa cell lysate treated with Calcyculin A

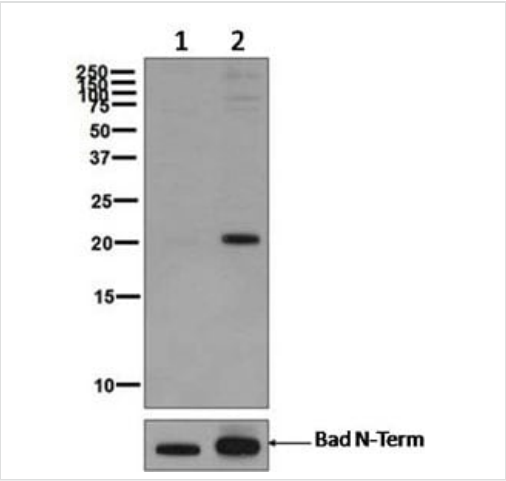
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 18 kDa
Observed band size: 23 kDa

This data was developed using **ab129192**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

All lanes : Anti-Bad (phospho S112) antibody [EPR1891(2)] (**ab129192**) at 1/1000 dilution

Lane 1 : HeLa cell lysates, untreated

Lane 2 : HeLa cell lysates, treated with Calyculin A

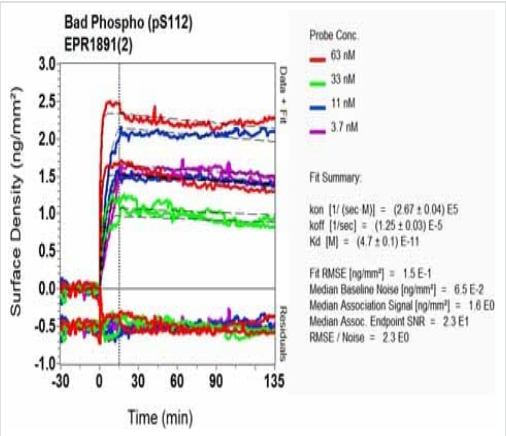
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 18 kDa

This data was developed using **ab129192**, the same antibody clone in a different buffer formulation.

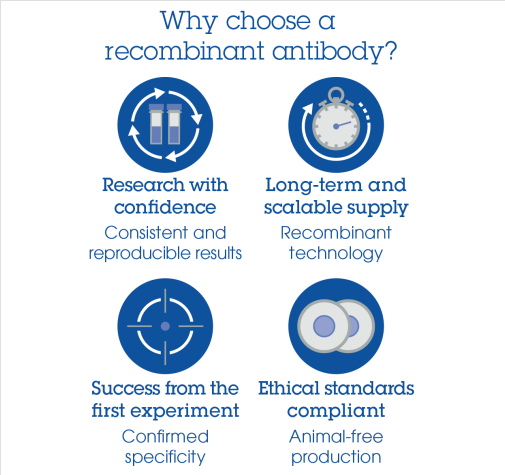


OI-RD Scanning - Anti-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

This data was developed using **ab129192**, 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-Bad (phospho S112) antibody [EPR1891(2)] - BSA and Azide free (ab248343)

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