

Anti-BCKDK antibody [EPR7564] - BSA and Azide free ab248230

KO 評価済 リコンビナント RabMAb

画像数 6

製品の概要

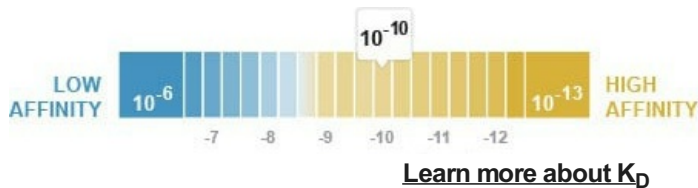
製品名	Anti-BCKDK antibody [EPR7564] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR7564] to BCKDK - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab248230 is the carrier-free version of ab128935.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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 = 1.30 x 10⁻¹⁰ M



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 EPR7564

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ab248230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. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).

ターゲット情報

機能 Catalyzes the phosphorylation and inactivation of the branched-chain alpha-ketoacid dehydrogenase complex, the key regulatory enzyme of the valine, leucine and isoleucine catabolic pathways. Key enzyme that regulate the activity state of the BCKD complex.

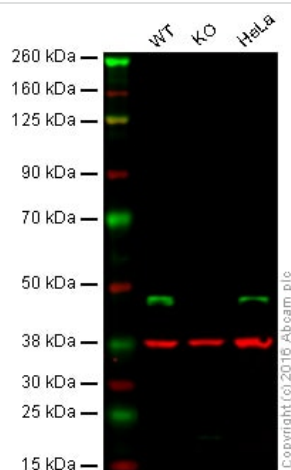
組織特異性 Ubiquitous.

配列類似性 Belongs to the PDK/BCKDK protein kinase family.
Contains 1 histidine kinase domain.

翻訳後修飾 Autophosphorylated.

細胞内局在 Mitochondrion matrix.

画像



Western blot - Anti-BCKDK antibody [EPR7564] - BSA and Azide free (ab248230)

This data was developed using [ab128935](#), the same antibody clone in a different buffer formulation.

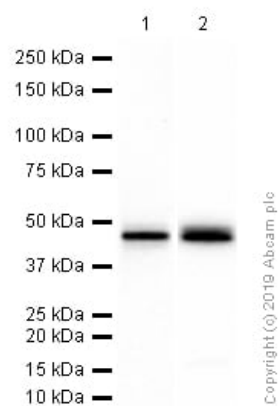
Lane 1: Wild-type HAP1 cell lysate (20 µg)

Lane 2: BCKDH kinase knockout HAP1 cell lysate (20 µg)

Lane 3: HeLa cell lysate (20 µg)

Lanes 1 - 3: Merged signal (red and green). Green - [ab128935](#) observed at 48 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

[ab128935](#) was shown to specifically react with BCKDH kinase when BCKDH kinase knockout samples were used. Wild-type and BCKDH kinase knockout samples were subjected to SDS-PAGE. [ab128935](#) and [ab8245](#) (loading control to GAPDH) were diluted at 1/1000 and 1/10,000 dilution respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed [ab216776](#) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-BCKDK antibody [EPR7564] - BSA and Azide free (ab248230)

All lanes : Anti-BCKDK antibody [EPR7564] ([ab128935](#)) at 1/1000 dilution (Purified)

Lane 1 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 2 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lysates/proteins at 15 µg per lane.

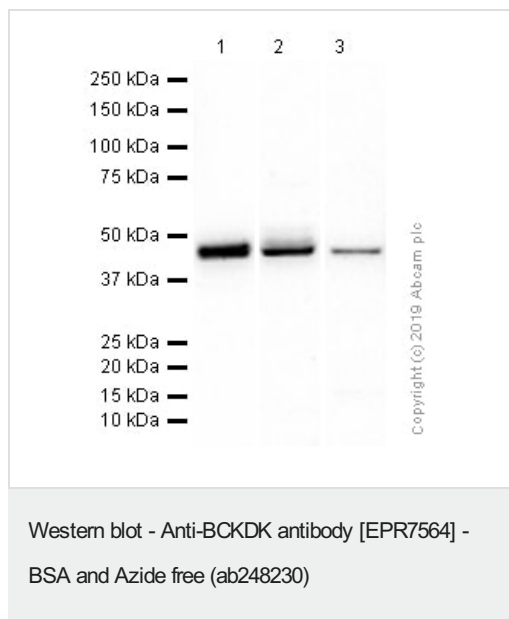
Secondary

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

Predicted band size: 46 kDa

Observed band size: 46 kDa

This data was developed using [ab128935](#), the same antibody clone in a different buffer formulation.



All lanes : Anti-BCKDK antibody [EPR7564] ([ab128935](#)) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : Rat heart tissue lysate

Lane 3 : Rat kidney tissue lysate

Lysates/proteins at 20 µg per lane.

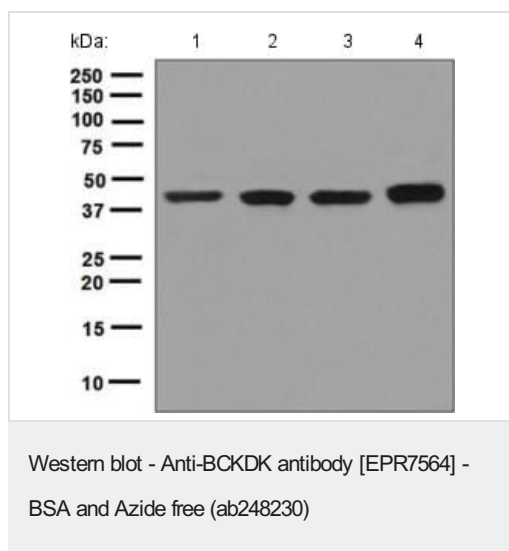
Secondary

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

Predicted band size: 46 kDa

Observed band size: 46 kDa

This data was developed using [ab128935](#), the same antibody clone in a different buffer formulation.



All lanes : Anti-BCKDK antibody [EPR7564] ([ab128935](#)) at 1/1000 dilution (unpurified)

Lane 1 : Fetal kidney lysate

Lane 2 : HeLa cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

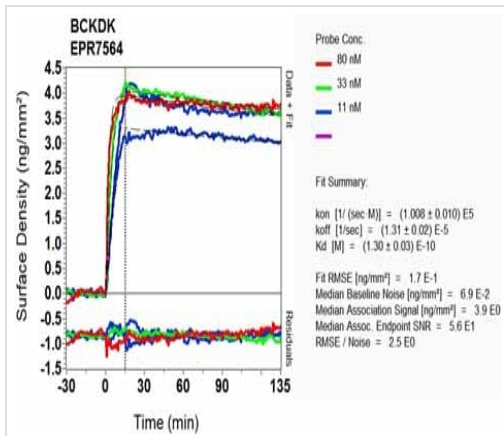
Secondary

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

Predicted band size: 46 kDa

Observed band size: 46 kDa

This data was developed using [ab128935](#), the same antibody clone in a different buffer formulation.



SPR Scanning - Anti-BCKDK antibody [EPR7564]

- BSA and Azide free (ab248230)

This data was developed using **ab128935**, the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-BCKDK antibody [EPR7564] - BSA and Azide free (ab248230)

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