

Anti-BCKDK antibody [EPR7564] ab128935

KO 評価済 リコンビナント RabMAb

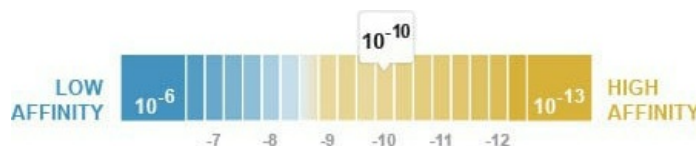
★★★★★ [1 Abreviews](#) [3 References](#) [画像数 6](#)

製品の概要

製品名	Anti-BCKDK antibody [EPR7564]
製品の詳細	Rabbit monoclonal [EPR7564] to BCKDK
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 within Human BCKDK aa 50-150. The exact sequence is proprietary. Database link: O14874
ポジティブ・コントロール	WB: HeLa, Rat heart, Rat kidney, PC-12, and RAW 264.7 lysates.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
解離定数 (K _D 値)	K _D = 1.30 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide
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Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

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

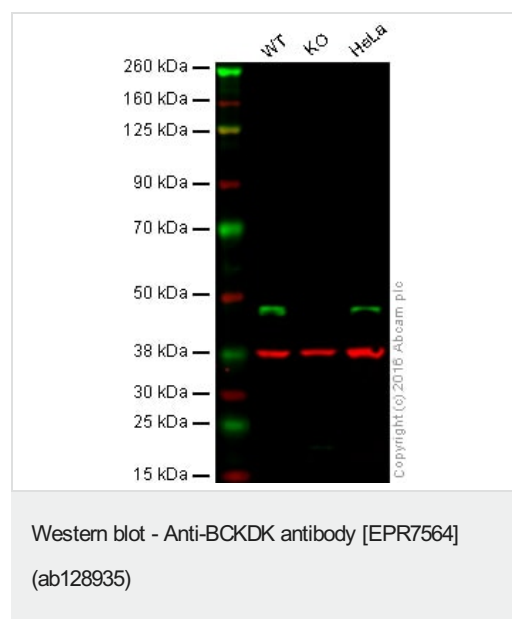
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab128935の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/1000 - 1/10000. 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



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 4C. 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] (ab128935)

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

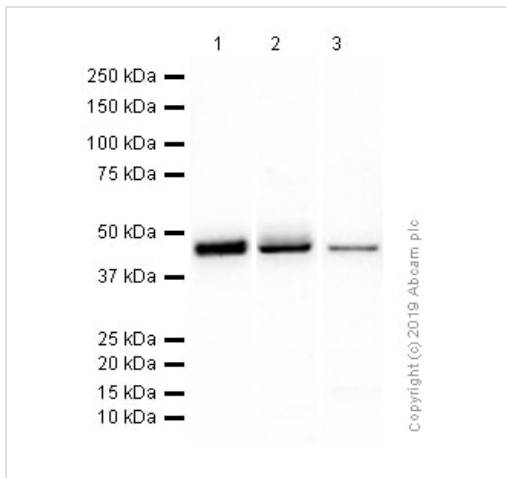
Lysates/proteins at 15 µg per lane.

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



Western blot - Anti-BCKDK antibody [EPR7564] (ab128935)

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

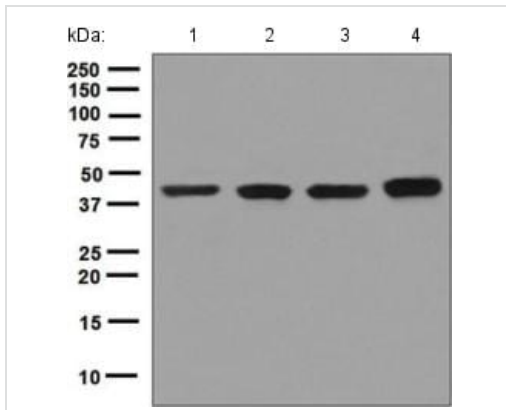
Lysates/proteins at 20 µg per lane.

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



Western blot - Anti-BCKDK antibody [EPR7564] (ab128935)

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

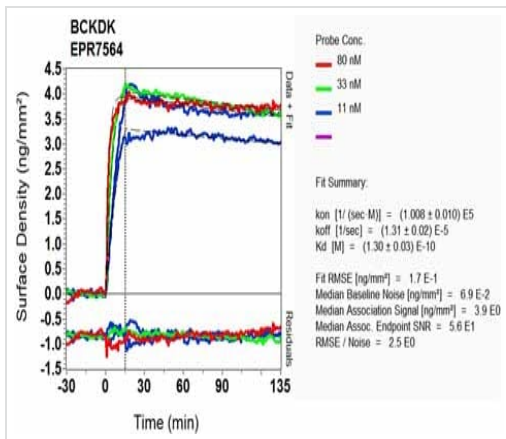
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 46 kDa

Observed band size: 46 kDa



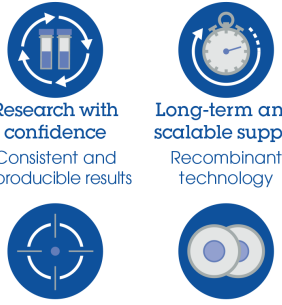
OIR-D Scanning - Anti-BCKDK antibody [EPR7564] (ab128935)

Equilibrium disassociation constant (K_D)

Learn more about K_D

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

Why choose a recombinant antibody?



<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-BCKDK antibody [EPR7564] (ab128935)

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