

HRP Anti-IKK alpha antibody [Y463] ab200415

KO 評価済 リコンビナント RabMAb

画像数 3

製品の概要

製品名	HRP Anti-IKK alpha antibody [Y463]
製品の詳細	HRP Rabbit monoclonal [Y463] to IKK alpha
由来種	Rabbit
標識	HRP
アプリケーション	適用あり: WB
種交差性	交差種: 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: Daudi, HeLa and HAP1 cell lysate.
特記事項	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. Stable for 12 months at -20°C. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	Y463
アイソタイプ	IgG

アプリケーション

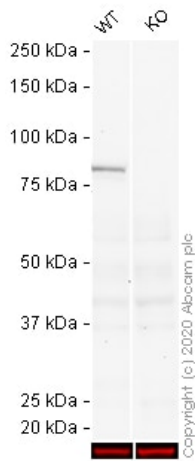
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab200415の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/5000. Detects a band of approximately 88 kDa (predicted molecular weight: 85 kDa).

ターゲット情報

機能	Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. As part of the non-canonical pathway of NF-kappa-B activation, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFKB2/p100 associated with RelB, inducing its proteolytic processing to NFKB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. Also phosphorylates NCOA3. Phosphorylates 'Ser-10' of histone H3 at NF-kappa-B-regulated promoters during inflammatory responses triggered by cytokines.
組織特異性	Widely expressed.
関連疾患	Defects in CHUK are the cause of cocoon syndrome (COCOS) [MIM:613630]; also known as fetal encasement syndrome. COCOS is a lethal syndrome characterized by multiple fetal malformations including defective face and seemingly absent limbs, which are bound to the trunk and encased under the skin.
配列類似性	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Ikappa-B kinase subfamily. Contains 1 protein kinase domain.
翻訳後修飾	Phosphorylated by MAP3K14/NIK, AKT and to a lesser extent by MEKK1, and dephosphorylated by PP2A. Autophosphorylated. Acetylation of Thr-179 by Yersinia yopJ prevents phosphorylation and activation, thus blocking the Ikappa-B signaling pathway.
細胞内局在	Cytoplasm. Nucleus. Shuttles between the cytoplasm and the nucleus.

画像



Western blot - HRP Anti-IKK alpha antibody [Y463] (ab200415)

All lanes : HRP Anti-IKK alpha antibody [Y463] (ab200415) at 1/5000 dilution

Lane 1 : Wild-type HAP1 cell lysate

Lane 2 : CHUK knockout HAP1 cell lysate

Lysates/proteins at 40 µg per lane.

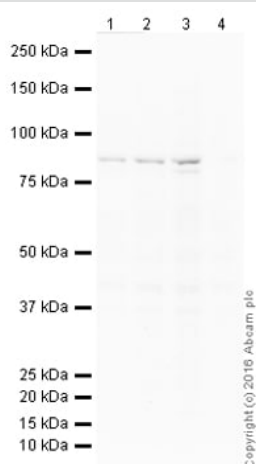
Performed under reducing conditions.

Predicted band size: 85 kDa

Observed band size: 89 kDa

Exposure time: 20 minutes

ab200415 was shown to react with IKK alpha (HRP) in wild-type HAP1 cells in western blot. Loss of signal was observed when CHUK knockout sample was used. Membranes were blocked in 2% BSA in TBS-T (0.1% Tween®) before incubation with ab200415 overnight at 4°C at a 1 in 5000 dilution and [ab184095](#) (Mouse Anti-GAPDH antibody [mAbcam 9484] - Alexa Fluor® 680) at a 1 in 1000 dilution. Blots were developed with Optiblot ECL reagent ([ab133456](#)) and imaged.



Western blot - HRP Anti-IKK alpha antibody [Y463] (ab200415)

All lanes : HRP Anti-IKK alpha antibody [Y463] (ab200415) at 1/5000 dilution

Lane 1 : Daudi whole cell lysate ([ab3951](#))

Lane 2 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate ([ab27252](#))

Lane 3 : Hap1 WT

Lane 4 : IKK alpha knockout HAP1 cell lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.


Predicted band size: 85 kDa

Observed band size: 88 kDa

Exposure time: 8 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab200415 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

Why choose a recombinant antibody?



- Research with confidence**
Consistent and reproducible results
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Recombinant technology
- Success from the first experiment**
Confirmed specificity
- Ethical standards compliant**
Animal-free production

HRP Anti-IKK alpha antibody [Y463] (ab200415)

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