


Anti-MK2 antibody [E341] ab32567

KO 評価済 リコンビナント RabMAb

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 4](#)

製品の概要

製品名	Anti-MK2 antibody [E341]
製品の詳細	Rabbit monoclonal [E341] to MK2
由来種	Rabbit
特異性	ab32567 recognises MAPKAP Kinase-2.
アプリケーション	適用あり: WB 適用なし: Flow Cyt, ICC/IF or IHC
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide within Human MK2 aa 350-450 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	HeLa whole cell lysate (ab150035).
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% 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	E341

アイソタイプlgG

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ab32567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確認ください。

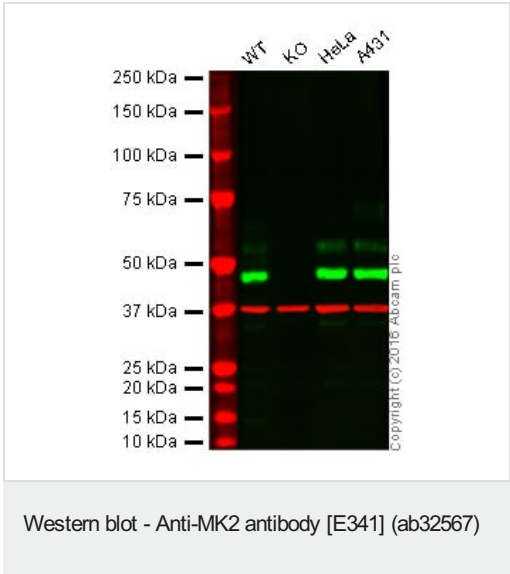
アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 46 kDa (predicted molecular weight: 46 kDa).

追加情報 Is unsuitable for Flow Cyt, ICC/IF or IHC.

ターゲット情報

機能	Its physiological substrate seems to be the small heat shock protein (HSP27/HSP25). In vitro can phosphorylate glycogen synthase at 'Ser-7' and tyrosine hydroxylase (on 'Ser-19' and 'Ser-40'). This kinase phosphorylates Ser in the peptide sequence, Hyd-X-R-X(2)-S, where Hyd is a large hydrophobic residue (By similarity). Mediates both ERK and p38 MAPK/MAPK14 dependent neutrophil responses. Participates in TNF alpha-stimulated exocytosis of secretory vesicles in neutrophils. Plays a role in phagocytosis-induced respiratory burst activity.
組織特異性	Expressed in all tissues examined.
配列類似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.
翻訳後修飾	Phosphorylated and activated by MAP kinase.

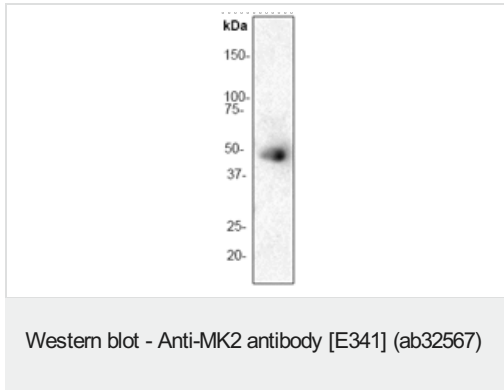
画像



Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: MAPKAP Kinase 2knockout HAP1 cell lysate (20 µg)
Lane 3: HeLa cell lysate (20 µg)
Lane 4: A431 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab32567 observed at 48 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab32567 was shown to specifically react with MAPKAP Kinase 2 when MAPKAP Kinase 2 knockout samples were used. Wild-type and MAPKAP Kinase 2 knockout samples were subjected to SDS-PAGE. ab32567 and **ab8245** (loading control to ProteinX2) were diluted to 1/500 and 1/1000 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

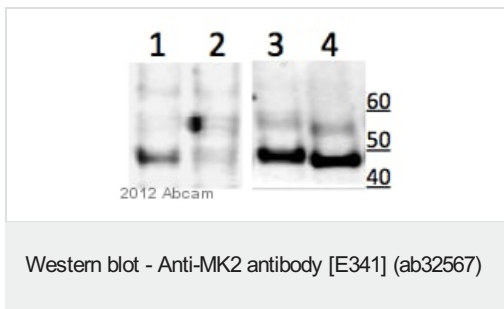
1/10000 dilution for 1 hour at room temperature before imaging.



Anti-MK2 antibody [E341] (ab32567) at 1/1000 dilution + HeLa cell lysate

Predicted band size: 46 kDa

Observed band size: 46 kDa



Lanes 1-2 : Anti-MK2 (phospho T334) antibody [EPR992Y] (**ab51018**) at 1/500 dilution

Lanes 3-4 : Anti-MK2 antibody [E341] (ab32567) at 1/500 dilution

Lanes 1 & 3 : UV treated HeLa cells

Lanes 2 & 4 : UV treated HeLa cells + p38 inhibitor

Secondary

All lanes : IRDye® 680 LICOR goat anti-rabbit.

Performed under reducing conditions.

Predicted band size: 46 kDa

Observed band size: 48 kDa

Additional bands at: 55 kDa (possible cross reactivity)

Exposure time: 1 minute

ab32567 recognise total MK2 (lane 3,4). A control for specificity is shown as UV treated HeLa + p38 inhibitor (lane 2,4). While the intensity of pT334 band is greatly reduced (lane 2), total MK2 remains unaltered (lane 4).

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-MK2 antibody [E341] (ab32567)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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