

Anti-PBK/SPK antibody [EP2520Y] ab75987

KO 評価済 リコンビナント RabMAb

8 References 画像数 4

製品の概要

製品名	Anti-PBK/SPK antibody [EP2520Y]
製品の詳細	Rabbit monoclonal [EP2520Y] to PBK/SPK
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide within Human PBK/SPK (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HEK-293T, HeLa and HAP1 cell lysates. IHC-P: Human tonsil tissue
特記事項	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EP2520Y
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ab75987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		1/100000 - 1/500000. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).
IP		1/30.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended.

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

ターゲット情報

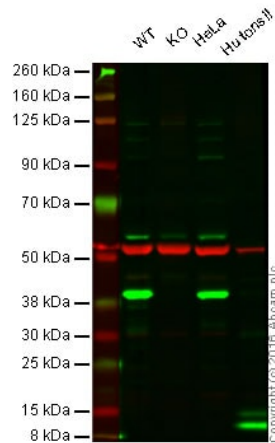
機能 Phosphorylates MAP kinase p38. Seems to be active only in mitosis. May also play a role in the activation of lymphoid cells. When phosphorylated, forms a complex with TP53, leading to TP53 destabilization and attenuation of G2/M checkpoint during doxorubicin-induced DNA damage.

組織特異性 Expressed in the testis and placenta. In the testis, restrictedly expressed in outer cell layer of seminiferous tubules.

配列類似性 Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. MAP kinase kinase subfamily.
Contains 1 protein kinase domain.

翻訳後修飾 Phosphorylated; in a cell-cycle dependent manner at mitosis.

画像



Western blot - Anti-PBK/SPK antibody [EP2520Y] (ab75987)

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

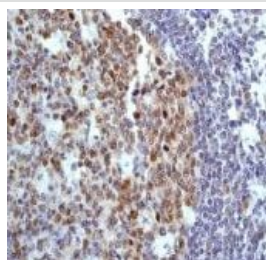
Lane 2: PBK knockout HAP1 cell lysate (20 µg)

Lane 3: HeLa cell lysate (20 µg)

Lane 4: Human tonsil tissue lysate (20 µg)

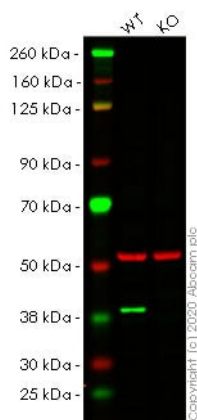
Lanes 1 - 4: Merged signal (red and green). Green - ab75987 observed at 40 kDa. Red - loading control, **ab7291**, observed at 52 kDa.

ab75987 was shown to recognize PBK when PBK knockout samples were used, along with additional cross-reactive bands. Wild-type and PBK knockout samples were subjected to SDS-PAGE. ab75987 diluted to 1/100,000 and **ab7291** (loading control to alpha Tubulin) diluted to 1/10,000 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PBK/SPK antibody [EP2520Y] (ab75987)

Immunohistochemical analysis of paraffin-embedded human tonsil using ab75987 at 1/100 dilution. Antigen retrieval was heat mediated with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-PBK/SPK antibody [EP2520Y] (ab75987)

All lanes : Anti-PBK/SPK antibody [EP2520Y] (ab75987) at 1/100000 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : PBK knockout HEK-293T cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

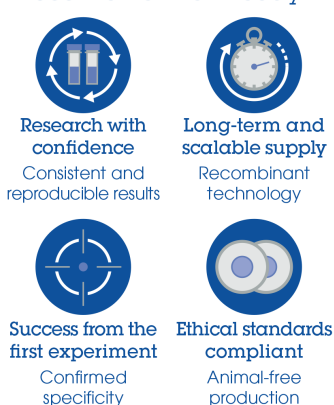
Predicted band size: 36 kDa

Observed band size: 40 kDa

Lanes 1- 2: Merged signal (red and green). Green - ab75987 observed at 40 kDa. Red - Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) observed at 50 kDa.

ab75987 was shown to react with PBK/SPK in wild-type HEK-293T cells in western blot. Loss of signal was observed when knockout cell line **ab266827** (knockout cell lysate **ab257575**) was used. Wild-type HEK-293T and PBK knockout HEK-293T cell lysates were subjected to SDS-PAGE. ab75987 and Anti-alpha Tubulin antibody [DM1A] - Loading Control (**ab7291**) overnight at 4°C at a 1 in 100000 dilution and a 1 in 20000 dilution respectively. 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 in 20000 dilution for 1 hour at room temperature before imaging.

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-PBK/SPK antibody [EP2520Y] (ab75987)

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

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