


Anti-FOXO4/AFX (phospho S262) antibody [EPR2315(2)] - BSA and Azide free ab248119

リコンビナント **RabMAb**

画像数 3

製品の概要

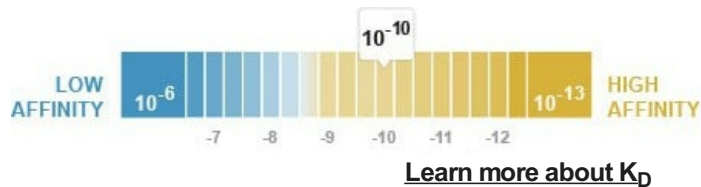
製品名	Anti-FOXO4/AFX (phospho S262) antibody [EPR2315(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR2315(2)] to FOXO4/AFX (phospho S262) - BSA and Azide free
由来種	Rabbit
特異性	This antibody only detects FOXO4 / AFX phosphorylated at serine 262.
アプリケーション	適用あり: WB 適用なし: ICC/IF, IHC-P or IP
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab248119 is the carrier-free version of ab126594.</p> <p>This antibody was developed as part of a collaboration between the University of Utrecht, Netherlands and the lab of Tobias Dansen.</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

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. Do Not Freeze.
解離定数 (K _D 値)	K _D = 1.92 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	EPR2315(2)
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ab248119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 65 kDa (predicted molecular weight: 53 kDa).

追加情報 Is unsuitable for ICC/IF, IHC-P or IP.

ターゲット情報

機能	Transcription factor involved in the regulation of the insulin signaling pathway. Binds to insulin-response elements (IREs) and can activate transcription of IGF1A. Down-regulates expression of HIF1A and suppresses hypoxia-induced transcriptional activation of HIF1A-modulated genes. Also involved in negative regulation of the cell cycle.
組織特異性	Heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Isoform zeta is most abundant in the liver, kidney, and pancreas.
関連疾患	Note=A chromosomal aberration involving FOXO4 is found in acute leukemias. Translocation t(X;11)(q13;q23) with MLL/HRX. The result is a rogue activator protein.

配列類似性

Contains 1 fork-head DNA-binding domain.

翻訳後修飾

Acetylation by CBP, which is induced by peroxidase stress, inhibits transcriptional activity.

Deacetylation by SIRT1 is NAD-dependent and stimulates transcriptional activity.

Phosphorylation by PKB/AKT1 inhibits transcriptional activity and is responsible for cytoplasmic localization.

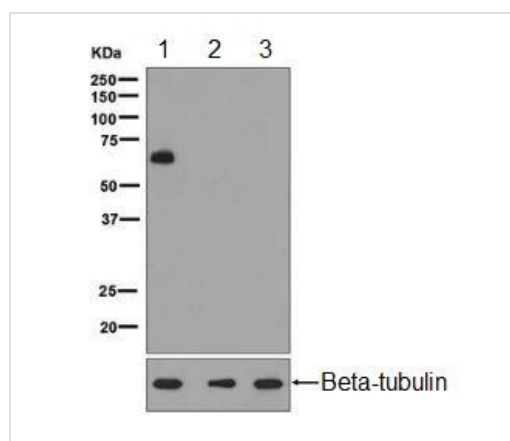
Monoubiquitinated; monoubiquitination is induced by oxidative stress and reduced by deacetylase inhibitors; results in its relocalization to the nucleus and its increased transcriptional activity. Deubiquitinated by USP7; deubiquitination is induced by oxidative stress; enhances its interaction with USP7 and consequently, deubiquitination; increases its translocation to the cytoplasm and inhibits its transcriptional activity. Hydrogene-peroxide-induced ubiquitination and USP7-mediated deubiquitination have no major effect on its protein stability.

細胞内局在

Cytoplasm. Nucleus. When phosphorylated, translocated from nucleus to cytoplasm.

Dephosphorylation triggers nuclear translocation. Monoubiquitination increases nuclear localization. When deubiquitinated, translocated from nucleus to cytoplasm.

画像



Western blot - Anti-FOXO4/AFX (phospho S262) antibody [EPR2315(2)] - BSA and Azide free (ab248119)

All lanes : Anti-FOXO4/AFX (phospho S262) antibody [EPR2315(2)] ([ab126594](#)) at 1/10000 dilution

Lane 1 : Cell lysate from FOXO4 transfected 293T

Lane 2 : Cell lysate from FOXO4 transfected 293T treated with Alkaline Phosphatase

Lane 3 : Cell lysate from non-transfected 293T

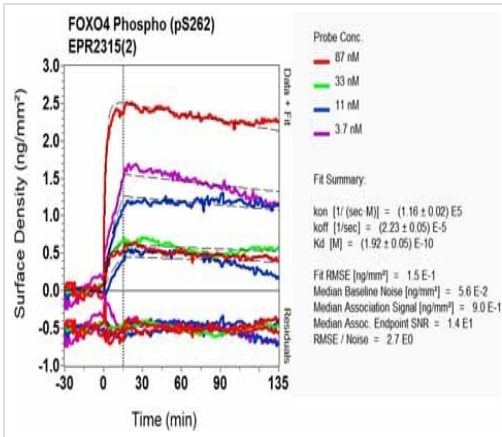
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 53 kDa

This data was developed using [ab126594](#), the same antibody clone in a different buffer formulation.



SPR Scanning - Anti-FOXO4/AFX (phospho S262) antibody [EPR2315(2)] - BSA and Azide free (ab248119)

This data was developed using [ab126594](#), 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-FOXO4/AFX (phospho S262) antibody [EPR2315(2)] - BSA and Azide free (ab248119)

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

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