


Anti-EYA3 antibody ab95876

★★★★★ **1 Abreviews** **4 References** 画像数 3

製品の概要

製品名	Anti-EYA3 antibody
製品の詳細	Rabbit polyclonal to EYA3
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Mouse, Sheep, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant 
免疫原	Synthetic peptide corresponding to Human EYA3 aa 1-30. Database link: Q99504
ポジティブ・コントロール	IHC-P: Human breast carcinoma tissue. WB: HeLa and HEK-293T cell lysate. IP: HeLa cell lysate.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
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ab95876の使用に適用されます

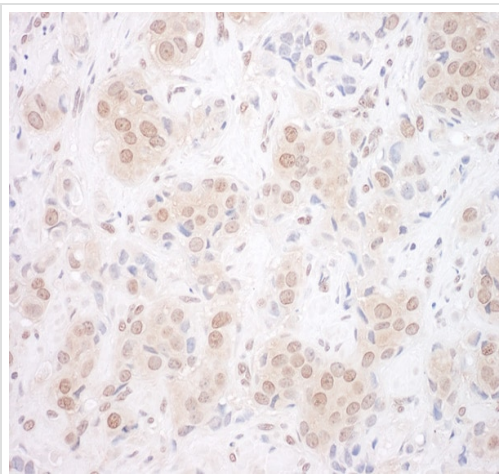
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/2000 - 1/10000. Predicted molecular weight: 63 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

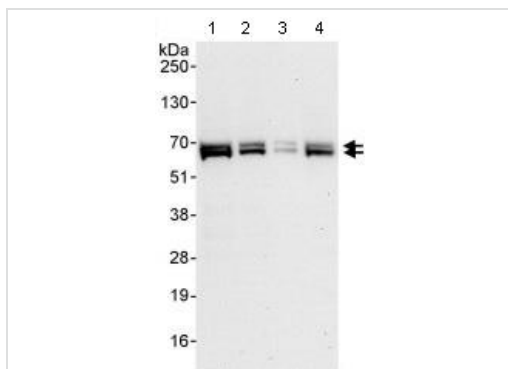
機能	Tyrosine phosphatase that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1. Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis. Coactivates SIX1, and seems to coactivate SIX2, SIX4 and SIX5. The repression of precursor cell proliferation in myoblasts by SIX1 is switched to activation through recruitment of EYA3 to the SIX1-DACH1 complex and seems to be dependent on EYA3 phosphatase activity (By similarity). May be involved in development of the eye.
配列類似性	Belongs to the HAD-like hydrolase superfamily. EYA family.
翻訳後修飾	Phosphorylated upon DNA damage, probably by ATM or ATR. Ser-266 phosphorylation is required for localization at sites of DNA damage and directing interaction with H2AX.
細胞内局在	Cytoplasm. Nucleus. Localizes at sites of DNA damage at double-strand breaks (DSBs). With decreasing efficiency, translocated to the nucleus by SIX2 and SIX5, and SIX4, respectively.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EYA3 antibody (ab95876)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labeling EYA3 with ab95876 at 1/200 (1 µg/ml). Detection: DAB.



Western blot - Anti-EYA3 antibody (ab95876)

All lanes : Anti-EYA3 antibody (ab95876) at 0.04 µg/ml

Lane 1 : HeLa cell lysate at 50 µg

Lane 2 : HeLa cell lysate at 15 µg

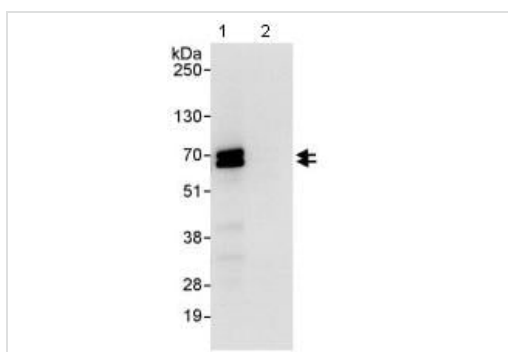
Lane 3 : HeLa cell lysate at 5 µg

Lane 4 : 293T cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 63 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-EYA3 antibody (ab95876)

Detection of human Eya3 by Western Blot of Immunoprecipitate. ab95876 at 0.04µg/ml staining Eya3 in HeLa cell lysate immunoprecipitated using ab95876 at 3µg/mg (1mg/IP; 20% of IP loaded/lane). Detection: Chemiluminescence with exposure time of 10 seconds.

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