

Product datasheet

Anti-GADD45A antibody [3D12] ab54740

1 References [画像数 3](#)

製品の概要

製品名	Anti-GADD45A antibody [3D12]
製品の詳細	Mouse monoclonal [3D12] to GADD45A
由来種	Mouse
アプリケーション	適用あり: WB, Flow Cyt, IHC-P
種交差性	交差種: Human, Recombinant fragment
免疫原	Recombinant fragment (GST-tag) corresponding to Human GADD45A aa 76-165. Sequence: TLIQAFCCENDINILRVSNPGRLEALLLLETAGPAASEGAEQPPDLHCV LVTNPHSSQWKDPALSQLICFCRESRYMDQWVPVINLPER <div style="text-align: right;"> Run BLAST with Run BLAST with </div>
ポジティブ・コントロール	IHC-P: human normal kidney tissue sections
特記事項	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by July 2018 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause.

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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None PBS, pH 7.2
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	3D12
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab54740** in the following tested applications.

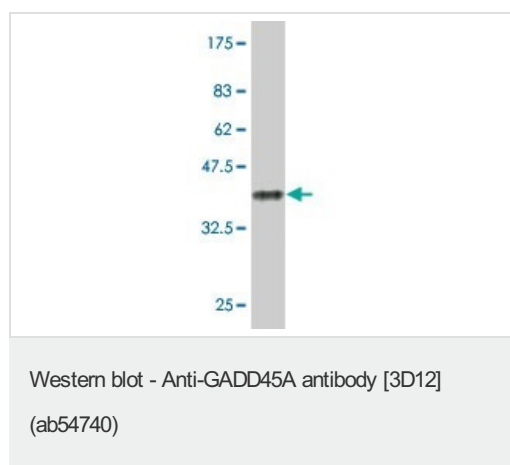
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 5 µg/ml.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		Use a concentration of 10 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

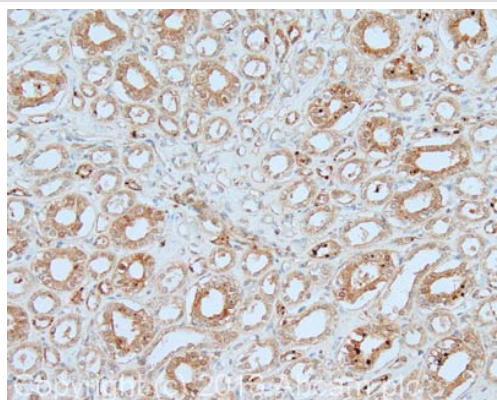
機能	Binds to proliferating cell nuclear antigen. Might affect PCNA interaction with some CDK (cell division protein kinase) complexes; stimulates DNA excision repair in vitro and inhibits entry of cells into S phase.
配列類似性	Belongs to the GADD45 family.

画像



Western blot against tagged recombinant protein immunogen using ab54740 GADD45A antibody at 1ug/ml. Predicted band size of immunogen is 36 kDa.

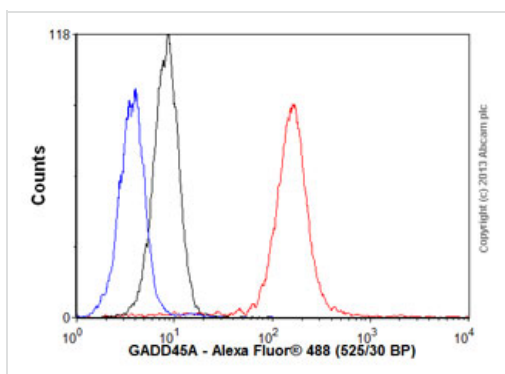
This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GADD45A antibody (ab54740)

IHC image of GADD45A staining in human kidney formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab54740, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Flow Cytometry - Anti-GADD45A antibody (ab54740)

Overlay histogram showing Jurkat cells stained with ab54740 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab54740, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was an [anti-mouse Alexa Fluor® 488 \(ab150113\)](#) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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