abcam

Product datasheet

Anti-TNPO3 antibody [3152C2a] ab54353

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概述

产品名称	Anti-TNPO3抗体[3152C2a]
描述	**小鼠单克隆抗体**[3152C2a] to TNPO3
宿主	Mouse
经测试应用	**适用于:** Flow Cyt, WB, IHC-P
种属反应性	**与反应:** Mouse, Human
免疫原	Recombinant fragment (Human) from near the N terminus.
阳性对照	HeLa whole cell lysate (**ab150035**); NIH3T3 whole cell lysate
常规说明	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. 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

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C or -80°C.
存储溶液	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 1% BSA, PBS
纯度	Protein G purified
纯化说明	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
克隆	单克隆
克隆编号	3152C2a
同种型	IgG2b

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab54353于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

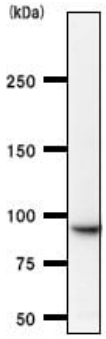
应用	Ab评论	说明
Flow Cyt		Use 1µg for 10^6 cells. **ab170192** - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
WB	★★★★☆ (3)	1/50 - 1/100. Detects a band of approximately 90 kDa (predicted molecular weight: 110 kDa).
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能 Seems to function in nuclear protein import as nuclear transport receptor. In vitro, mediates the nuclear import of splicing factor SR proteins SFRS1 and SFRS2, by recognizing phosphorylated RS domains.

细胞定位 Cytoplasm. Nucleus.

图片

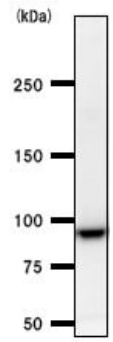


Western blot - Anti-TNPO3 antibody [3152C2a] (ab54353)

Anti-TNPO3 antibody [3152C2a] (ab54353) at 1/100 dilution +
HeLa whole cell lysate at 25 µg

Secondary
anti Mouse IgG at 1/2500 dilution

Predicted band size: 110 kDa
Observed band size: ~90 kDa

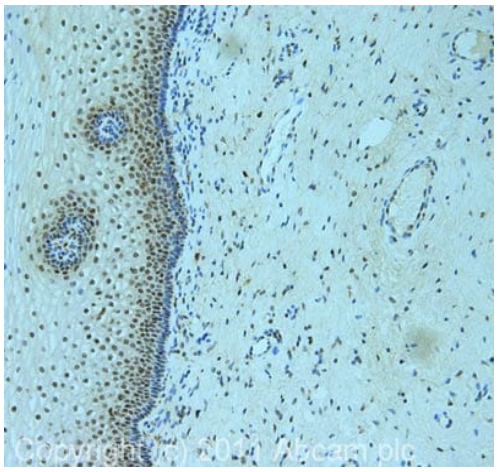


Western blot - Anti-TNPO3 antibody [3152C2a] (ab54353)

Anti-TNPO3 antibody [3152C2a] (ab54353) at 1/50 dilution + NIH3T3 whole cell lysate at 25 µg

Secondary
anti Mouse IgG at 1/2500 dilution

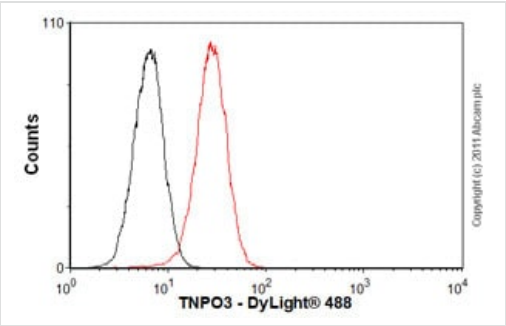
Predicted band size: 110 kDa
Observed band size: ~90 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TNPO3 antibody [3152C2a] (ab54353)

IHC image of ab54353 staining in human normal cervix 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 ab54353, 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-TNPO3 antibody [3152C2a] (ab54353)

Overlay histogram showing HeLa cells stained with ab54353 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab54353, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (**ab91366**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 80% methanol/permeabilized in 0.1% PBS-Tween used under the same conditions.

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