abcam

Product datasheet

Anti-TIGAR antibody ab37910

3 Abreviews 13 References 3 图像

概述

产品名称	Anti-TIGAR抗体
描述	**兔多克隆抗体**to TIGAR
经测试应用	**适用于:** ICC/IF, IHC-P, WB
种属反应性	**与反应:** Human
免疫原	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human TIGAR.参阅Abcam**的专有抗源政策**(Peptide available as ab37909.)
阳性对照	This antibody gave a positive signal in the following whole cell lysates: HeLa (Human epithelial carcinoma cell line) Jurkat (Human T cell lymphoblast-like cell line) A431 (Human epithelial carcinoma cell line) HEK 293 (Human embryonic kidney cell line) HepG2 (Human hepatocellular liver carcinoma cell line) MCF-7 (Human breast adenocarcinoma cell line)

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab37910** in the following tested applications.

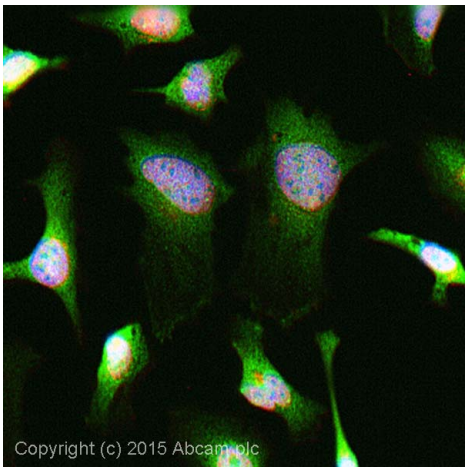
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF	★★★★☆	Use a concentration of 1 µg/ml.
IHC-P	★★★★☆	Use at an assay dependent concentration.
WB	★★★★★	1/250. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).

靶标

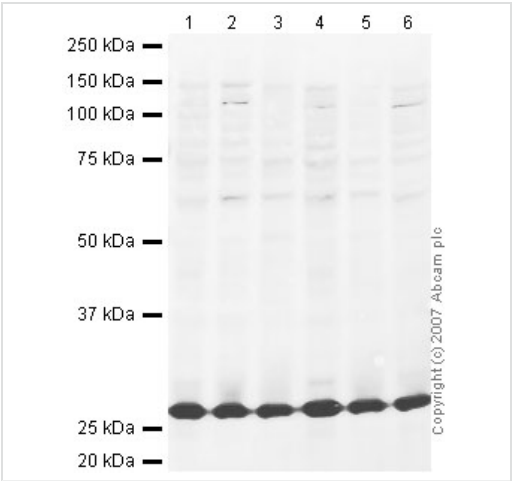
功能	Probable fructose-biphosphatase. Lowers cellular levels of fructose 2,6-bisphosphate. Protects cells against reactive oxygen species and against apoptosis induced by p53/TP53.
序列相似性	Belongs to the phosphoglycerate mutase family.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.

Anti-TIGAR antibody 图像



Immunocytochemistry/ Immunofluorescence - Anti-TIGAR antibody (ab37910)

ICC/IF image of ab37910 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) then permeabilised using 0.1% PBS-Triton and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to further permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab37910 at 1µg/ml overnight at +4°C. The secondary antibody (pseudo-colored green) was Alexa Fluor® 488 goat anti- rabbit (ab150081) IgG (H+L) preadsorbed, used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200 dilution for 1h at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1hour at room temperature.



Western blot - TIGAR antibody (ab37910)

All lanes : Anti-TIGAR antibody (ab37910) at 1/250 dilution

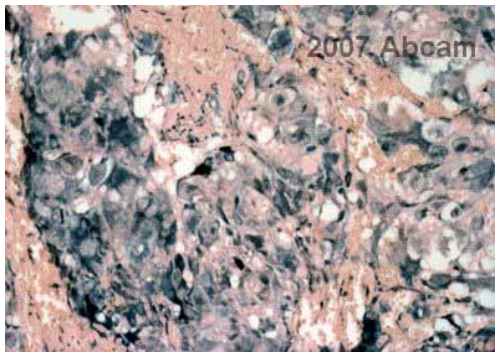
Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 2 : Jurkat whole cell lysate (ab7899)
Lane 3 : A431 whole cell lysate (ab7909)
Lane 4 : HEK293 whole cell lysate (ab7902)
Lane 5 : HepG2 whole cell lysate (ab7900)
Lane 6 : MCF-7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size : 30 kDa
Observed band size : 30 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - TIGAR antibody (ab37910)
This image is courtesy of an anonymous Abreview

ab37910 staining human adrenal tissue sections by IHC-P. Sections were PFA fixed and subjected to heat mediated antigen retrieval in citrate buffer (pH 6) prior to blocking in 10% serum for 1 hour at 25°C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 25°C. A biotinylated goat anti-rabbit antibody diluted 1/400 was used as the secondary.

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