abcam

Product datasheet

Anti-TXNDC5 antibody ab13820

1 Abreviews 6 References 5 图像

概述

产品名称	Anti-TXNDC5抗体
描述	**山羊多克隆抗体**to TXNDC5
宿主	Goat
特异性	This antibody is expected to be able to recognise both reported human isoforms, as represented by NP_110437; NP_071368.
经测试应用	**适用于:** IHC-P, WB, Flow Cyt (Intra), ICC/IF
种属反应性	**与反应:** Human
免疫原	Synthetic peptide corresponding to Human TXNDC5 aa 400 to the C-terminus (C terminal). (NP_001139021.1) Database link: **NP_110437.2** Run BLAST with Run BLAST with
阳性对照	Flow Cyt (Intra): HeLa cells.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	**多克隆**

同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab13820于以下的经测试应用**

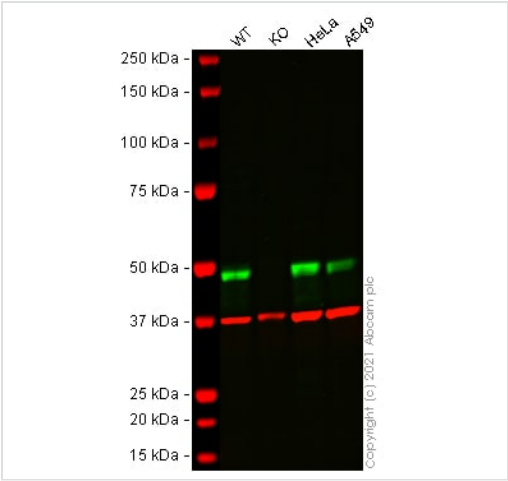
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration.
WB		Use a concentration of 0.1 - 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa). A 1 hour primary incubation is recommended for this product.
Flow Cyt (Intra)		Use a concentration of 10 µg/ml.
ICC/IF	★★★★☆ (1)	Use a concentration of 10 µg/ml.

靶标

功能	Possesses thioredoxin activity. Has been shown to reduce insulin disulfide bonds. Also complements protein disulfide-isomerase deficiency in yeast.
序列相似性	Belongs to the protein disulfide isomerase family. Contains 3 thioredoxin domains.
细胞定位	Endoplasmic reticulum lumen.

图片



Western blot - Anti-TXNDC5 antibody (ab13820)

All lanes : Anti-TXNDC5 antibody (ab13820) at 0.1 µg/ml

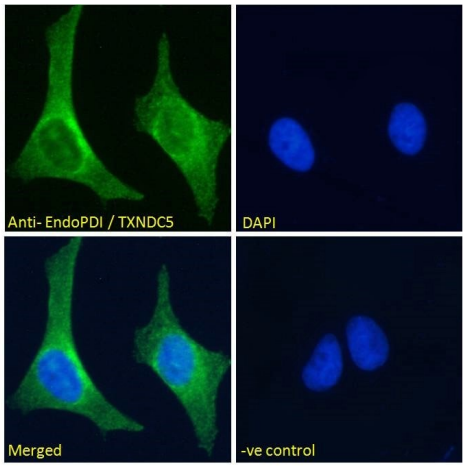
Lane 1 : Wild-type HEK-293T cell lysate
Lane 2 : TXNDC5 knockout HEK-293T cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : A549 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

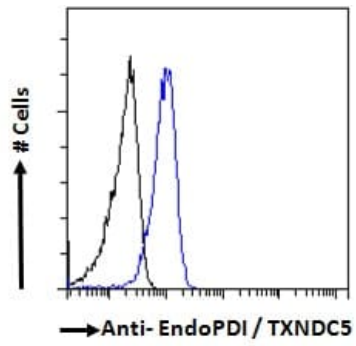
Predicted band size: 50 kDa
Observed band size: 47 kDa

False colour image of Western blot: Anti-TXNDC5 antibody staining at 0.1 µg/ml, shown in green; Mouse anti-GAPDH antibody [6C5] (**ab8245**) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab13820 was shown to bind specifically to TXNDC5. A band was observed at 47 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in TXNDC5 knockout cell line **ab266609** (knockout cell lysate **ab263403**). To generate this image, wild-type and TXNDC5 knockout HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged.Secondary antibodies used were Donkey anti-Goat IgG H&L (IRDye® 800CW) preabsorbed (**ab216775**) and Donkey anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216778**) at 1/20000 dilution.



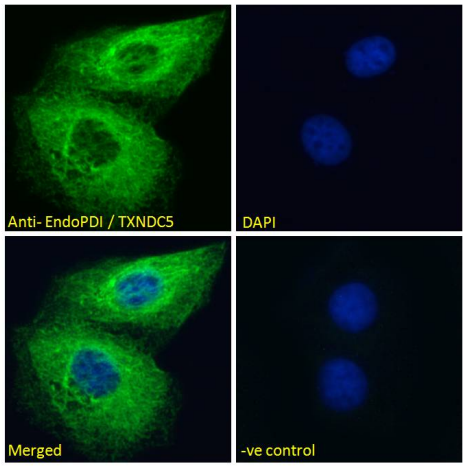
Immunocytochemistry/ Immunofluorescence - Anti-TXNDC5 antibody (ab13820)

Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation with ab13820 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).



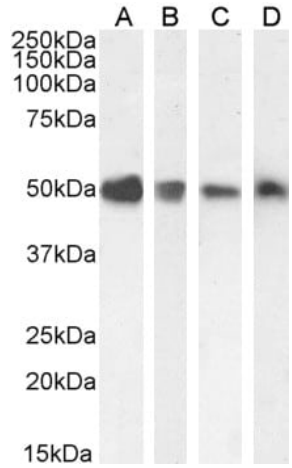
Flow Cytometry (Intracellular) - Anti-TXNDC5 antibody (ab13820)

Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation with ab13820 for 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (1 µg/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-TXNDC5 antibody (ab13820)

Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation with ab13820 1hr (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing endoplasmic reticulum staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/ml) followed by Alexa Fluor 488 secondary antibody (2 µg/ml).



Western blot - Anti-TXNDC5 antibody (ab13820)

All lanes : Anti-TXNDC5 antibody (ab13820) at 0.1 µg/ml

Lane 1 : HEK-293 cell lysate
Lane 2 : A549 cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : HepG2 cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 50 kDa

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors