

Anti-TXNRD1 antibody [EPNCIR129] ab124954

重组 RabMAb

24 References **10 图像**

概述

产品名称	Anti-TXNRD1抗体[EPNCIR129]
描述	兔单克隆抗体[EPNCIR129] to TXNRD1
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Rat, Human
免疫原	Recombinant full length protein corresponding to Mouse TXNRD1. Database link: Q9JMH6
阳性对照	Mouse liver, NIH 3T3, RAW264.7, Human fetal liver and Rat liver lysates; HeLa cells.
常规说明	This antibody was developed as part of a collaboration between Epitomics, the National Cancer Institute's Center for Cancer Research and the lab of Dolph Hatfield. <u>View antibodies from NCI Center for Cancer Research Collaboration.</u> This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <u>see here.</u> Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents.</u>

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. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆

克隆编号 EPNCIR129

同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab124954于以下的经测试应用

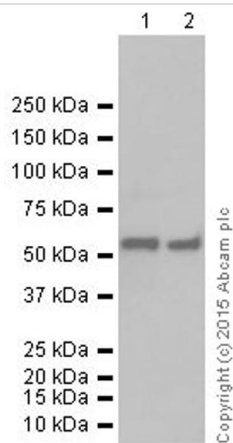
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 55 kDa (predicted molecular weight: 55, 67 kDa).
IP		1/10 - 1/100.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. (Heat to 98°C, allow to cool for 10-20 minutes)
ICC/IF		1/100 - 1/250.

靶标

功能	Isoform 1 may possess glutaredoxin activity as well as thioredoxin reductase activity and induces actin and tubulin polymerization, leading to formation of cell membrane protrusions. Isoform 4 enhances the transcriptional activity of estrogen receptors alpha and beta while isoform 5 enhances the transcriptional activity of the beta receptor only. Isoform 5 also mediates cell death induced by a combination of interferon-beta and retinoic acid.
组织特异性	Isoform 1 is expressed predominantly in Leydig cells (at protein level). Also expressed in ovary, spleen, heart, liver, kidney and pancreas and in a number of cancer cell lines. Isoform 4 is widely expressed with highest levels in kidney, testis, uterus, ovary, prostate, placenta and fetal liver.
序列相似性	Belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. Contains 1 glutaredoxin domain.
结构域	The N-terminal glutaredoxin domain found in isoform 1 does not contain the C-P-Y-C redox-active motif normally found in glutaredoxins and has been found to be inactive in classical glutaredoxin assays.
翻译后修饰	The N-terminus of isoform 5 is blocked. ISGylated.
细胞定位	Cytoplasm and Cytoplasm. Nucleus.

图片



Western blot - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

All lanes : Anti-TXNRD1 antibody [EPNCIR129] (ab124954) at 1/10000 dilution (purified)

Lane 1 : rat liver lysate

Lane 2 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

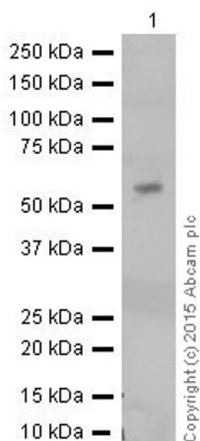
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/20000 dilution

Predicted band size: 55, 67 kDa

Observed band size: 55 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Anti-TXNRD1 antibody [EPNCIR129] (ab124954) at 1/10000 dilution (purified) + HeLa cell lysate at 10 µg

Secondary

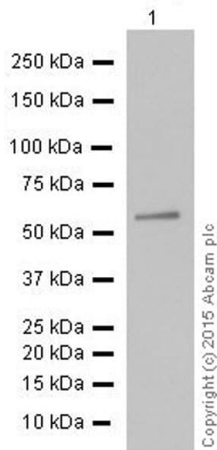
HRP goat anti-rabbit IgG (H+L) at 1/100000 dilution

Predicted band size: 55, 67 kDa

Observed band size: 55 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Anti-TXNRD1 antibody [EPNCIR129] (ab124954) at 1/10000 dilution (purified) + HepG2 cell lysate at 10 μ g

Secondary

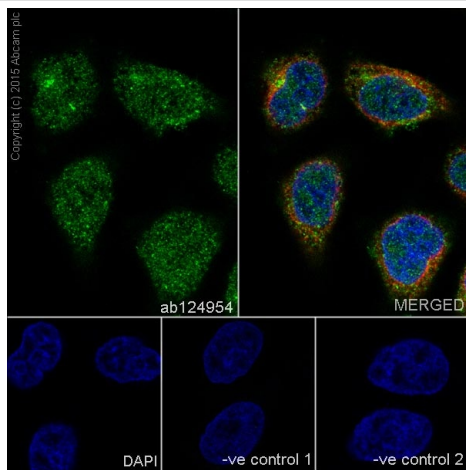
HRP goat anti-rabbit IgG (H+L) at 1/100000 dilution

Predicted band size: 55, 67 kDa

Observed band size: 55 kDa

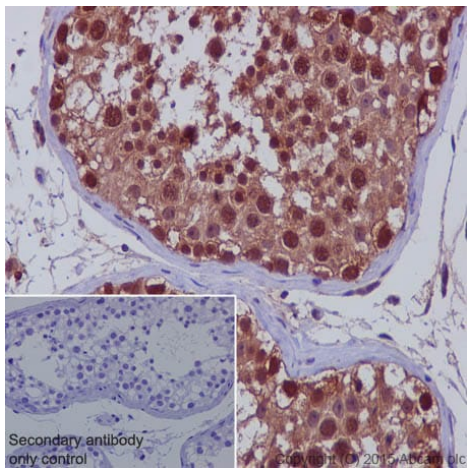
Blocking buffer: 5% NFD/MTBST

Dilution buffer: 5% NFD/MTBST



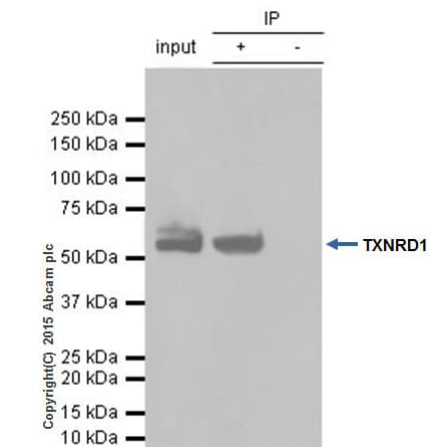
Immunocytochemistry/ Immunofluorescence - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Immunofluorescence staining of HeLa cells with purified ab124954 at a working dilution of 1/150, counter-stained with DAPI. The secondary antibody was Alexa Fluor[®] 488 goat anti-rabbit (**ab150077**), used at a dilution of 1/1000. **ab7291**, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with **ab150120** (Alexa Fluor[®] 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab124954 was used at a dilution of 1/500 followed by an Alexa Fluor[®] 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/500. For negative control 2, **ab7291** (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor[®] 488 goat anti-rabbit antibody (**ab150077**) at a dilution of 1/400.



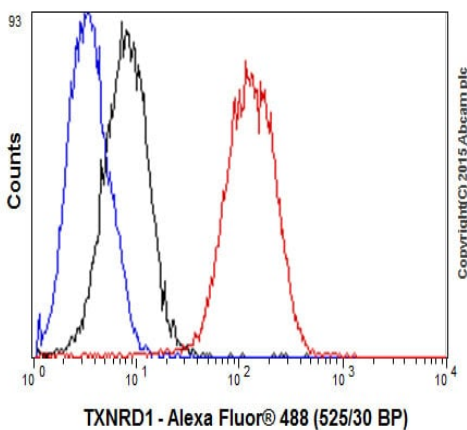
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Immunohistochemical staining of paraffin embedded human testis with purified ab124954 at a working dilution of 1/150. The secondary antibody used is HRP goat anti-rabbit IgG H&L ([ab97051](#)) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



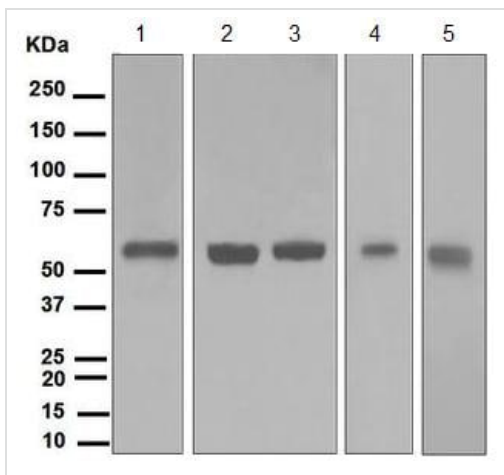
Immunoprecipitation - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

ab124954 (purified) at 1/40 immunoprecipitating TXNRD1 in 10 μ g Jurkat (Lanes 1 and 2, observed at 55 kDa). Lane 3 - PBS. For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10,000 dilution. Blocking buffer and concentration: 5% NFDm/TBST Dilution buffer and concentration: 5% NFDm/TBST



Flow Cytometry (Intracellular) - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Overlay histogram showing HeLa cells fixed in 4% PFA and stained with purified ab124954 at a dilution of 1 in 120 (red line). The secondary antibody used was FITC goat anti-rabbit at a dilution of 1 in 500. Rabbit monoclonal IgG was used as an isotype control (black line) and cells incubated in the absence of both primary and secondary antibody were used as a negative control (blue line).



Western blot - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

All lanes : Anti-TXNRD1 antibody [EPNCIR129] (ab124954) at 1/1000 dilution (unpurified)

Lane 1 : Mouse liver lysates

Lane 2 : NIH 3T3 lysates

Lane 3 : RAW264.7 lysates

Lane 4 : Human fetal liver lysates

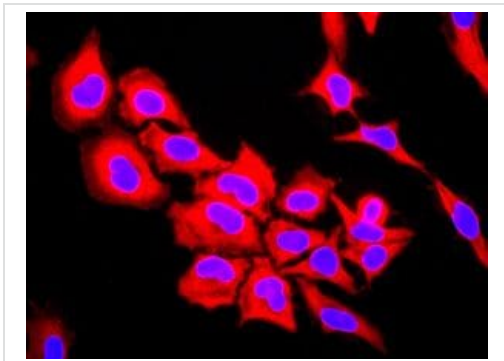
Lane 5 : Rat liver lysates

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 55, 67 kDa



Immunocytochemistry/ Immunofluorescence - Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Unpurified ab124954, at 1/100 dilution, staining TXNRD1 in HeLa cells by Immunofluorescence.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-TXNRD1 antibody [EPNCIR129] (ab124954)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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