

Anti-TXNRD1 antibody ab113904

1 图像

概述

产品名称	Anti-TXNRD1抗体
描述	兔多克隆抗体to TXNRD1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human 预测可用于: Cow, Dog, Pig, Chimpanzee, Macaque monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	This antibody gave a positive signal in Human Testis and Spleen tissue lysates as well as the following whole cell lysates: HeLa; HepG2; HEK293; MCF7.
常规说明	<p>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.</p> <p>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</p>

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified
克隆	多克隆

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab113904于以下的经测试应用

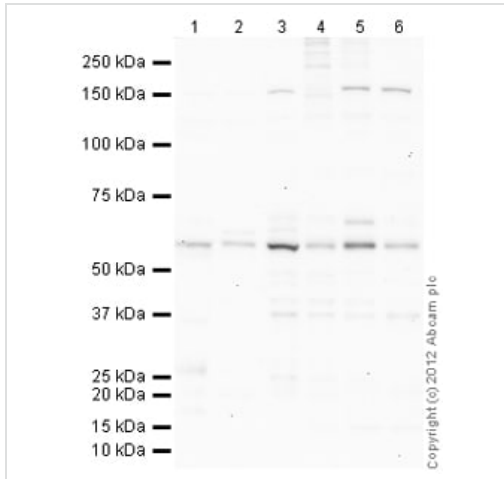
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 71 kDa). Abcam recommends using milk as the blocking agent (3%).

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 (ab113904)

All lanes : Anti-TXNRD1 antibody (ab113904) at 1 µg/ml (Milk blocking - 3%)

Lane 1 : Human testis tissue lysate - total protein ([ab30257](#))

Lane 2 : Human spleen tissue lysate - total protein ([ab29699](#))

Lane 3 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 4 : MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lane 5 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 6 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 71 kDa

Observed band size: 60 kDa

Additional bands at: 150 kDa, 37 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 8 minutes

The predicted molecular weight of TXNRD1 is 71 kDa (SwissProt), however we expect to observe a banding pattern around 60 kDa. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.

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

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