abcam

Product datasheet

Anti-Topoisomerase I antibody [23B11] ab200869

1 Abreviews 2 图像

概述

产品名称	Anti-Topoisomerase I抗体[23B11]
描述	小鼠单克隆抗体[23B11] to Topoisomerase I
宿主	Mouse
经测试应用	**适用于:** WB
种属反应性	**与反应:** Mouse, Rat, Dog, Human **预测可用于:** Xenopus laevis, Chinese hamster
免疫原	Synthetic peptide corresponding to Human Topoisomerase I aa 650-750 conjugated to keyhole limpet haemocyanin. Database link: **P11387** Run BLAST with Run BLAST with
阳性对照	WB: Jurkat, MCF7, HEK293, NIH/3T3, NTERA-2, HeLa. Whole cell lysates of serum starved HeLa, HepG2, HEK293, SH-SY5Y, MDCK PC12, CMT 93, Neuro 2A and 3T3 tumor 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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.30 Preservative: 0.09% Sodium azide Constituent: PBS With PEG and sucrose.
纯度	Size exclusion

克隆	单克隆
克隆编号	23B11
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用**ab200869**于以下的**经测试应用

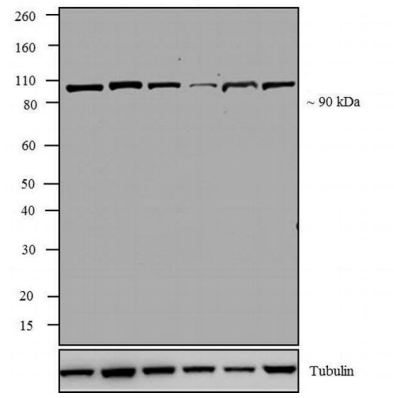
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	(1)	Use a concentration of 0.5 µg/ml. Predicted molecular weight: 91 kDa.

靶标

功能	The reaction catalyzed by topoisomerases leads to the conversion of one topological isomer of DNA to another.
疾病相关	Note=A chromosomal aberration involving TOP1 is found in a form of therapy-related myelodysplastic syndrome. Translocation t(11;20)(p15;q11) with NUP98.
序列相似性	Belongs to the eukaryotic type I topoisomerase family.
翻译后修饰	Sumoylated. Lys-117 is the main site of sumoylation. Sumoylation plays a role in partitioning TOP1 between nucleoli and nucleoplasm. Levels are dramatically increased on camptothecin (CPT) treatment.
细胞定位	Nucleus > nucleolus. Nucleus > nucleoplasm. Diffuse nuclear localization with some enrichment in nucleoli. On CPT treatment, cleared from nucleoli into nucleoplasm. Sumolyated forms found in both nucleoplasm and nucleoli.

图片



Western blot - Anti-Topoisomerase I antibody [23B11] (ab200869)

All lanes : Anti-Topoisomerase I antibody [23B11] (ab200869) at 1/1000 dilution

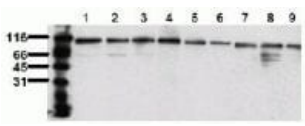
Lane 1 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 2 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 3 : HEK-293 (Human epithelial cell line from embryonic kidney) whole cell lysate
Lane 4 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate
Lane 5 : NTERA-2 (Human malignant pluripotent embryonic carcinoma cell line) whole cell lysate
Lane 6 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 30 µg per lane.

Secondary
All lanes : Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate at 1/2500 dilution

Predicted band size: 91 kDa
Observed band size: ~90 kDa

The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate



Western blot - Anti-Topoisomerase I antibody [23B11] (ab200869)

All lanes : Anti-Topoisomerase I antibody [23B11] (ab200869) at 0.5 µg/ml

Lane 1 : Whole cell lysate of serum starved HeLa cells
Lane 2 : Whole cell lysate of serum starved HepG2 cells
Lane 3 : Whole cell lysate of serum starved HEK293 cells
Lane 4 : Whole cell lysate of serum starved SH-SY5Y cells
Lane 5 : Whole cell lysate of serum starved MDCK cells
Lane 6 : Whole cell lysate of serum starved PC12 cells
Lane 7 : Whole cell lysate of serum starved CMT 93 cells
Lane 8 : Whole cell lysate of serum starved Neuro 2A cells
Lane 9 : Whole cell lysate of serum starved 3T3 tumor cells

Lysates/proteins at 20000 cells per lane.

Developed using the ECL technique.

Predicted band size: 91 kDa

Exposure time: 30 seconds

PVDF membrane.

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

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