


Anti-TDP1 antibody ab4166

★★★★★ [6 Abreviews](#) [26 References](#) [2 图像](#)

概述

产品名称	Anti-TDP1抗体
描述	兔多克隆抗体to TDP1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Human, Recombinant fragment 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
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
纯度	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.
克隆	Immunogen affinity purified
同种型	多克隆 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab4166 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	★★★★★ (3)	Use a concentration of 1 µg/ml. Detects a band of approximately 75 kDa (predicted molecular weight: 68 kDa). Abcam recommends blocking with 1-3% Milk.

靶标

功能

DNA repair enzyme that can remove a variety of covalent adducts from DNA through hydrolysis of a 3'-phosphodiester bond, giving rise to DNA with a free 3' phosphate. Catalyzes the hydrolysis of dead-end complexes between DNA and the topoisomerase I active site tyrosine residue. Hydrolyzes 3'-phosphoglycolates on protruding 3' ends on DNA double-strand breaks due to DNA damage by radiation and free radicals. Acts on blunt-ended double-strand DNA breaks and on single-stranded DNA. Has low 3'exonuclease activity and can remove a single nucleoside from the 3'end of DNA and RNA molecules with 3'hydroxyl groups. Has no exonuclease activity towards DNA or RNA with a 3'phosphate.

组织特异性

Ubiquitously expressed. Similar expression throughout the central nervous system (whole brain, amygdala, caudate nucleus, cerebellum, cerebral cortex, frontal lobe, hippocampus, medulla oblongata, occipital lobe, putamen, substantia nigra, temporal lobe, thalamus, nucleus accumbens and spinal cord) and increased expression in testis and thymus.

疾病相关

Spinocerebellar ataxia, autosomal recessive, with axonal neuropathy

序列相似性

Belongs to the tyrosyl-DNA phosphodiesterase family.

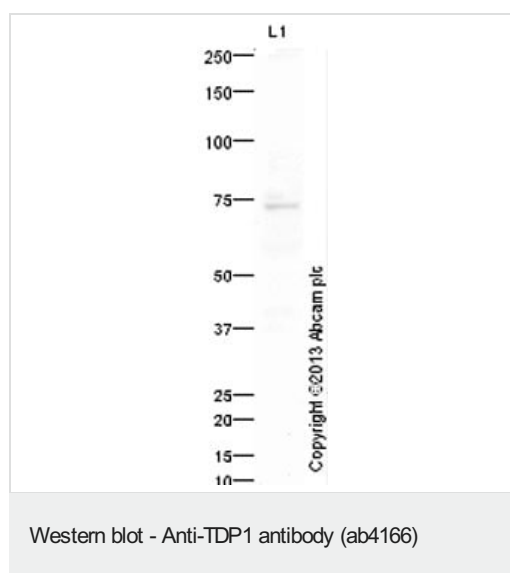
翻译后修饰

Phosphorylated on serine and/or threonine residues, but not on tyrosine residues.

细胞定位

Nucleus. Cytoplasm.

图片



Anti-TDP1 antibody (ab4166) at 1 µg/ml (blocked with 3% milk) + Jurkat nuclear extract lysate ([ab14844](#)) at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

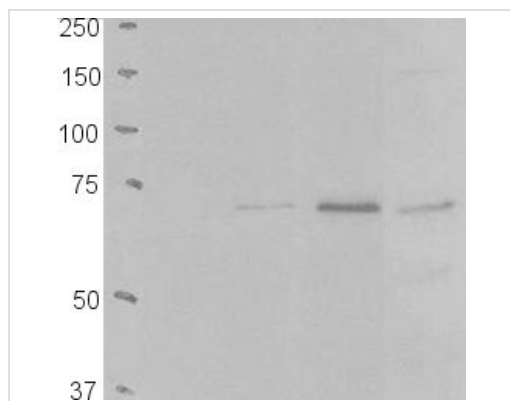
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 68 kDa

Observed band size: 75 kDa

Exposure time: 4 minutes



Western blot - Anti-TDP1 antibody (ab4166)

This image is courtesy of Keith Caldecott, University of Sussex

Lane 1 : Molecular weight markers

Lanes 2-5 : Anti-TDP1 antibody (ab4166) at 1/1000 dilution

Lane 2 : 1 ng purified recombinant human TDP1

Lane 3 : 3 ng purified recombinant human TDP1

Lane 4 : 6 ng purified recombinant human TDP1

Lane 5 : 6 micrograms total protein from MCF7 human cell extract

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 68 kDa

Observed band size: 68 kDa

ab4166 was incubated for 1 hr at room temp.

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

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