


Anti-TLS/FUS antibody ab23439

★★★★★ [5 Abreviews](#) [27 References](#) [3 图像](#)

概述

产品名称	Anti-TLS/FUS抗体
描述	兔多克隆抗体to TLS/FUS
宿主	Rabbit
经测试应用	适用于: IP, WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Dog, Non human primates 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 250 - 350 of Human TLS/FUS. 参阅Abcam的 专有抗源政策 (Peptide available as ab31610 .)
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
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab23439于以下的经测试应用

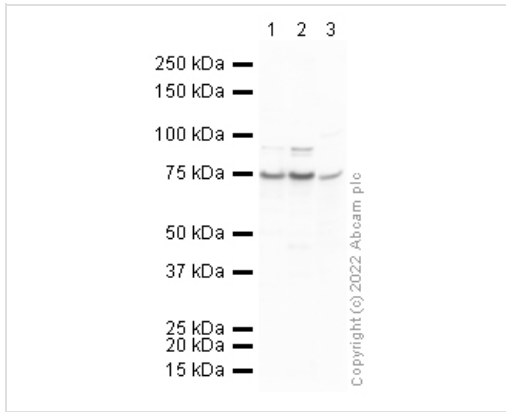
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IP	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (4)	Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 75 kDa (predicted molecular weight: 75 kDa).

靶标

功能	Binds both single-stranded and double-stranded DNA and promotes ATP-independent annealing of complementary single-stranded DNAs and D-loop formation in superhelical double-stranded DNA. May play a role in maintenance of genomic integrity.
组织特异性	Ubiquitous.
疾病相关	<p>Note=A chromosomal aberration involving FUS is found in a patient with malignant myxoid liposarcoma. Translocation t(12;16)(q13;p11) with DDIT3.</p> <p>Note=A chromosomal aberration involving FUS is a cause of acute myeloid leukemia (AML). Translocation t(16;21)(p11;q22) with ERG.</p> <p>Defects in FUS may be a cause of angiomatoid fibrous histiocytoma (AFH) [MIM:612160]. A distinct variant of malignant fibrous histiocytoma that typically occurs in children and adolescents and is manifest by nodular subcutaneous growth. Characteristic microscopic features include lobulated sheets of histiocyte-like cells intimately associated with areas of hemorrhage and cystic pseudovascular spaces, as well as a striking cuffing of inflammatory cells, mimicking a lymph node metastasis. Note=A chromosomal aberration involving FUS is found in a patient with angiomatoid fibrous histiocytoma. Translocation t(12;16)(q13;p11.2) with ATF1 generates a chimeric FUS/ATF1 protein.</p> <p>Defects in FUS are the cause of amyotrophic lateral sclerosis type 6 (ALS6) [MIM:608030]. ALS6 is a familial form of amyotrophic lateral sclerosis. ALS is a neurodegenerative disorder affecting upper motor neurons in the brain and lower motor neurons in the brain stem and spinal cord, resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology of amyotrophic lateral sclerosis is likely to be multifactorial, involving both genetic and environmental factors. The disease is inherited in 5-10%.</p>
序列相似性	<p>Belongs to the RRM TET family.</p> <p>Contains 1 RanBP2-type zinc finger.</p> <p>Contains 1 RRM (RNA recognition motif) domain.</p>
翻译后修饰	Arg-216 and Arg-218 are dimethylated, probably to asymmetric dimethylarginine.
细胞定位	Nucleus.

图片



Western blot - Anti-TLS/FUS antibody (ab23439)

All lanes : Anti-TLS/FUS antibody (ab23439) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Nuclear Lysate

Lane 2 : Jurkat (Human T cell leukaemia cell line from peripheral blood) Nuclear lysate

Lane 3 : NIH 3T3 (Mouse embryo fibroblast cell line) Whole Cell Lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 50000 µg

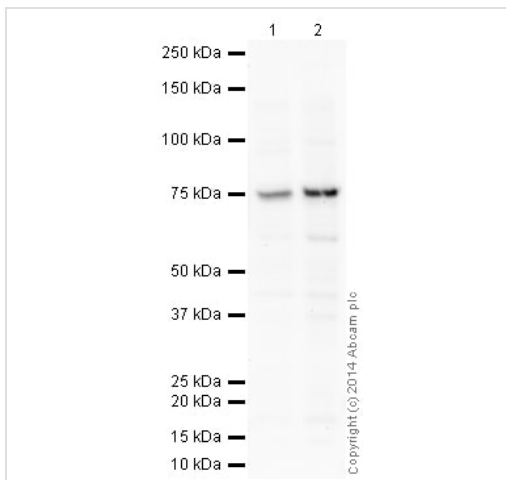
Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 2 minutes

Gel type: MOPS

Blocking buffer: 2% BSA block



Western blot - Anti-TLS/FUS antibody (ab23439)

All lanes : Anti-TLS/FUS antibody (ab23439) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Nuclear Lysate

Lane 2 : Jurkat nuclear extract lysate ([ab14844](#))

Lysates/proteins at 20 µg per lane.

Secondary

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

Developed using the ECL technique.

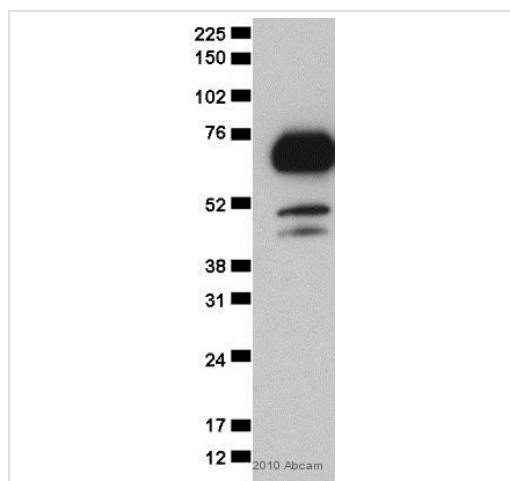
Performed under reducing conditions.

Predicted band size: 75 kDa

Observed band size: 75 kDa

Exposure time: 8 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab23439 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.



Western blot - Anti-TLS/FUS antibody (ab23439)

This image is courtesy of an anonymous Abreview

Anti-TLS/FUS antibody (ab23439) at 1/1000 dilution + Human 293T cell - whole cell lysate at 30000 cells

Secondary

An HRP Goat polyclonal to Rabbit IgG at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 75 kDa

Observed band size: 72 kDa

Additional bands at: 45 kDa (possible non-specific binding), 50 kDa (possible non-specific binding)

Blocking Step: 5% Milk; 1% BSA for 16 hours at 4°C

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