


Anti-THOC5 antibody ab86074

3 图像

概述

产品名称	Anti-THOC5抗体
描述	兔多克隆抗体to THOC5
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant 
免疫原	A region between residue 25 and 75 of human THOC5 (NP_003669.4)
阳性对照	293T cell lysate, NIH3T3 cell lysate and HeLa whole cell lysate (ab150035)
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
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ab86074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		1/2000 - 1/10000. Predicted molecular weight: 79 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标**功能**

Component the THO subcomplex of the TREX complex. The TREX complex specifically associates with spliced mRNA and not with unspliced pre-mRNA. It is recruited to spliced mRNAs by a transcription-independent mechanism. Binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export. The recruitment occurs via an interaction between ALYREF/THOC4 and the cap-binding protein NCBP1. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production. The recruitment of the TREX complex to the intronless viral mRNA occurs via an interaction between KSHV ORF57 protein and ALYREF/THOC4. DDX39B functions as a bridge between ALYREF/THOC4 and the THO complex. THOC5 in conjunction with ALYREF/THOC4 functions in NXF1-NXT1 mediated nuclear export of HSP70 mRNA. Regulates the expression of myeloid transcription factors CEBPA, CEBPB and GAB2 by enhancing the levels of phosphatidylinositol 3,4,5-trisphosphate. May be involved in the differentiation of granulocytes and adipocytes. Essential for hematopoietic primitive cell survival and plays an integral role in monocytic development.

组织特异性

Ubiquitously expressed.

序列相似性

Belongs to the THOC5 family.

翻译后修饰

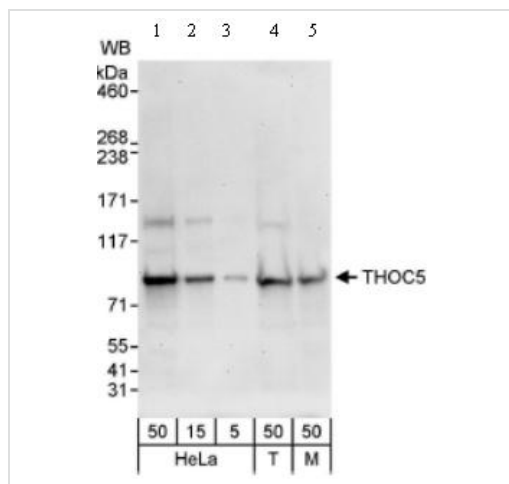
Phosphorylated on tyrosine upon binding to activated CSF1R; which causes a dissociation of the two proteins. Phosphorylation on Ser-5 and/or Ser-6 is required for nuclear export.

Phosphorylated on Thr-328 in insulin-stimulated adipocytes (By similarity). Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位

Nucleus. Cytoplasm. Shuttles between nucleus and cytoplasm.

图片



Western blot - Anti-THOC5 antibody (ab86074)

All lanes : Anti-THOC5 antibody (ab86074) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T cell lysate at 50 µg

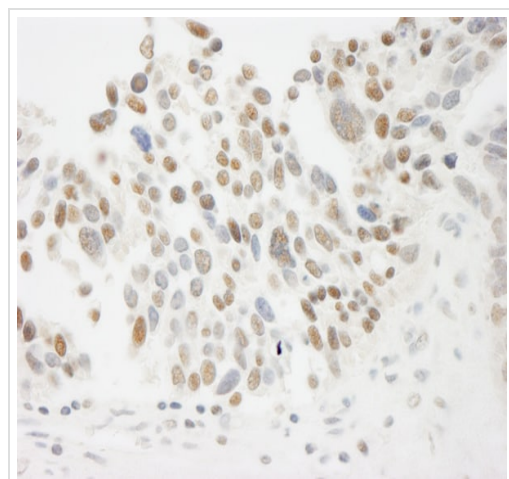
Lane 5 : mouse NIH3T3 cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 79 kDa

Observed band size: 79 kDa

Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-THOC5 antibody (ab86074)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling THOC5 with ab86074 at 1/200 (1µg/ml). Detection: DAB.



Immunoprecipitation - Anti-THOC5 antibody
(ab86074)

Immunoprecipitation/ Western Blot of ab86074: Whole cell lysate from Hela cells at 1 mg for IP, 20% of IP loaded and ab86074 used for IP at 3 µg/mg lysate and 0.4 µg/ml for WB. Chemiluminescence with an exposure time of 10 seconds.

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