

Product datasheet

Anti-Nuclear Matrix Protein p84 antibody ab124180

2 图像

概述

产品名称	Anti-Nuclear Matrix Protein p84抗体
描述	兔多克隆抗体to核Matrix Protein p84
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Synthetic peptide conjugated to KLH, corresponding to a region within C terminal amino acids 540-570 of Human Nuclear Matrix Protein p84 (NP_005122.2).
阳性对照	Y79 cell line lysate; lysate of 293 cells transiently transfected with Nuclear Matrix Protein p84
常规说明	Store in small aliquots and prevent freeze-thaw cycles.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
存储溶液	Preservative: 0.09% Sodium azide Constituent: 99% PBS
纯度	Immunogen affinity purified
纯化说明	This antibody is purified through a protein A column, followed by peptide affinity purification.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab124180** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/100 - 1/500. Predicted molecular weight: 76 kDa.

靶标

功能 Component of 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 THOC4 and the cap-binding protein NCBP1. DDX39B functions as a bridge between THOC4 and the THO complex. 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 THOC4.

Regulates transcriptional elongation of a subset of genes. Participates in an apoptotic pathway which is characterized by activation of caspase-6, increases in the expression of BAK1 and BCL2L1 and activation of NF-kappa-B. This pathway does not require p53/TP53, nor does the presence of p53/TP53 affect the efficiency of cell killing. Activates a G2/M cell cycle checkpoint prior to the onset of apoptosis. Apoptosis is inhibited by association with RB1.

组织特异性

Ubiquitous. Expressed in various cancer cell lines. Expressed at very low levels in normal breast epithelial cells and highly expressed in breast tumors. Expression is strongly associated with an aggressive phenotype of breast tumors and expression correlates with tumor size and the metastatic state of the tumor progression.

序列相似性

Contains 1 death domain.

结构域

An intact death domain is needed for apoptosis.

翻译后修饰

Expression is altered specifically during apoptosis and is accompanied by the appearance of novel forms with smaller apparent molecular mass.

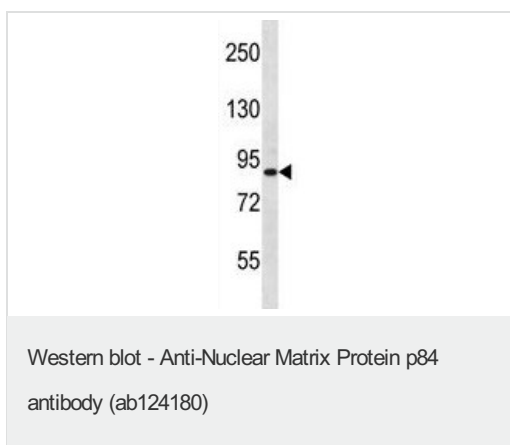
细胞定位

Cytoplasm and Nucleus speckle. Nucleus > nucleoplasm. Nucleus matrix. Cytoplasm. Can shuttle between the nucleus and cytoplasm. Nuclear localization is required for induction of apoptotic cell death. Translocates to the cytoplasm during the early phase of apoptosis execution.

形式

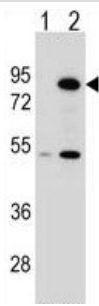
Nuclear (Isoform 1) and Cytoplasmic (Isoform 1 and 2).

Anti-Nuclear Matrix Protein p84 antibody 图像



Anti-Nuclear Matrix Protein p84 antibody
(ab124180) at 1/100 dilution + Y79 cell line
lysate at 35 µg

Predicted band size : 76 kDa



Western blot - Anti-Nuclear Matrix Protein p84 antibody (ab124180)

All lanes : Anti-Nuclear Matrix Protein p84 antibody (ab124180) at 1/100 dilution

Lane 1 : Lysate of nontransfected 293 cells.

Lane 2 : Lysate of 293 cells transiently transfected with Nuclear Matrix Protein p84

Lysates/proteins at 2 µg per lane.

Predicted band size : 76 kDa

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