

## Product datasheet

# Anti-Nuclear Matrix Protein p84 antibody ab124180

### 画像数 2

#### 製品の概要

製品名	Anti-Nuclear Matrix Protein p84 antibody
製品の詳細	Rabbit polyclonal to Nuclear Matrix Protein p84
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> 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).
ポジティブ・コントロール	Y79 cell line lysate; lysate of 293 cells transiently transfected with Nuclear Matrix Protein p84
特記事項	Store in small aliquots and prevent freeze-thaw cycles.

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
バッファー	Preservative: 0.09% Sodium azide Constituent: 99% PBS
精製度	Immunogen affinity purified
特記事項 (精製)	This antibody is purified through a protein A column, followed by peptide affinity purification.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

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.

アプリケーション	Abreviews	特記事項
WB		1/100 - 1/500. Predicted molecular weight: 76 kDa.

## 機能

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.

## 組織特異性

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.

## 配列類似性

Contains 1 death domain.

## ドメイン

An intact death domain is needed for apoptosis.

## 翻訳後修飾

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

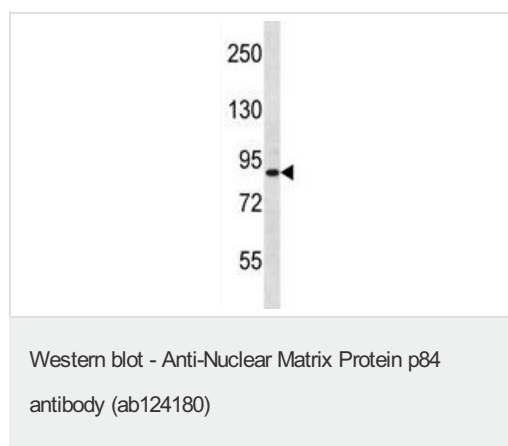
## 細胞内局在

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.

## 製品の状態

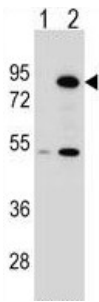
Nuclear (Isoform 1) and Cytoplasmic (Isoform 1 and 2).

## 画像



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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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