

## Product datasheet

# Anti-THOC5 antibody [EPR6905(B)] ab124996

リコンビナント RabMAb<sup>®</sup>

### 画像数 2

#### 製品の概要

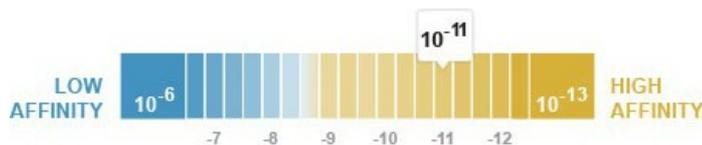
製品名	Anti-THOC5 antibody [EPR6905(B)]
製品の詳細	Rabbit monoclonal [EPR6905(B)] to THOC5
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> Flow Cyt, ICC, IHC-P or IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human THOC5 aa 650-750. The exact sequence is proprietary.
ポジティブ・コントロール	293T, HeLa, NIH 3T3 and A549 cell lysates.
特記事項	

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#)

This product is a recombinant rabbit monoclonal antibody.

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 4.40 x 10 <sup>-11</sup> M



[Learn more about K<sub>D</sub>](#)

バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル

クローン名 EPR6905(B)

アイソタイプ IgG

## アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab124996** 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		1/1000 - 1/10000. Detects a band of approximately 79 kDa (predicted molecular weight: 79 kDa).

**追加情報** Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

## ターゲット情報

**機能** 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.

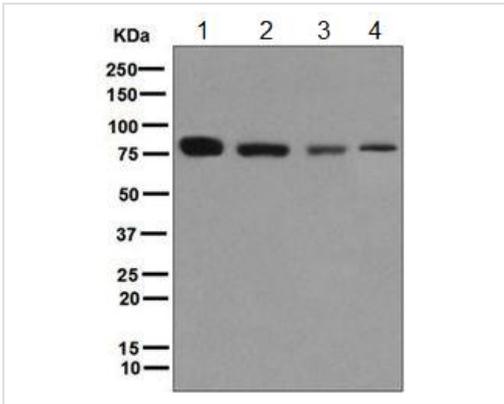
**組織特異性** Ubiquitously expressed.

**配列類似性** Belongs to the THOC5 family.

**翻訳後修飾** 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.

**細胞内局在** Nucleus. Cytoplasm. Shuttles between nucleus and cytoplasm.

## 画像



Western blot - Anti-THOC5 antibody [EPR6905(B)]  
(ab124996)

**All lanes :** Anti-THOC5 antibody  
[EPR6905(B)] (ab124996) at 1/1000 dilution

**Lane 1 :** 293T cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** NIH 3T3 cell lysate

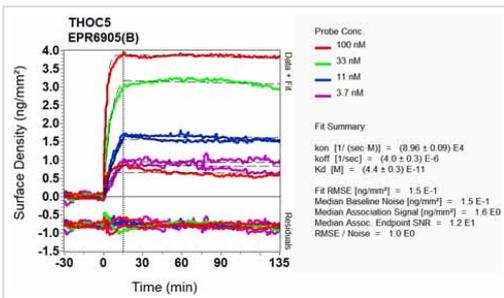
**Lane 4 :** A549 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 79 kDa



Other - Anti-THOC5 antibody [EPR6905(B)]  
(ab124996)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

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

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