


# Anti-HRPT2/Parafibromin antibody ab70533

画像数 2

### 製品の概要

製品名	Anti-HRPT2/Parafibromin antibody
製品の詳細	Rabbit polyclonal to HRPT2/Parafibromin
由来種	Rabbit
アプリケーション	適用あり: WB, IP
種交差性	<p>交差種: Mouse, Human</p> <p>交差が予測される動物種: Rat, Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant </p>
免疫原	Synthetic peptide corresponding to Human HRPT2/Parafibromin.
ポジティブ・コントロール	Whole cell lysate from control 293T cells or 293T cells transfected with a HRPT2/Parafibromin expression construct.
特記事項	<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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS</p>
精製度	Immunogen affinity purified
特記事項 (精製)	ab70533 was affinity purified using an epitope specific to HRPT2/Parafibromin immobilized on solid support.
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

**The Abpromise guarantee**      **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab70533の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/5000 - 1/20000. Detects a band of approximately 64 kDa (predicted molecular weight: 61 kDa).
IP		Use at 1-4 µg/mg of lysate.

## ターゲット情報

### 機能

Tumor suppressor probably involved in transcriptional and post-transcriptional control pathways. May be involved in cell cycle progression through the regulation of cyclin D1/PRAD1 expression. Component of the PAF1 complex (PAF1C) which has multiple functions during transcription by RNA polymerase II and is implicated in regulation of development and maintenance of embryonic stem cell pluripotency. PAF1C associates with RNA polymerase II through interaction with POLR2A CTD non-phosphorylated and 'Ser-2'- and 'Ser-5'-phosphorylated forms and is involved in transcriptional elongation, acting both independently and synergistically with TCEA1 and in cooperation with the DSIF complex and HTATSF1. PAF1C is required for transcription of Hox and Wnt target genes. PAF1C is involved in hematopoiesis and stimulates transcriptional activity of MLL1; it promotes leukemogenesis through association with MLL-rearranged oncoproteins, such as MLL-MLLT3/AF9 and MLL-MLLT1/ENL. PAF1C is involved in histone modifications such as ubiquitination of histone H2B and methylation on histone H3 'Lys-4' (H3K4me3). PAF1C recruits the RNF20/40 E3 ubiquitin-protein ligase complex and the E2 enzyme UBE2A or UBE2B to chromatin which mediate monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1); UB2A/B-mediated H2B ubiquitination is proposed to be coupled to transcription. PAF1C is involved in mRNA 3' end formation probably through association with cleavage and poly(A) factors. In case of infection by influenza A strain H3N2, PAF1C associates with viral NS1 protein, thereby regulating gene transcription. Connects PAF1C with the cleavage and polyadenylation specificity factor (CPSF) complex and the cleavage stimulation factor (CSTF) complex, and with Wnt signaling. Involved in polyadenylation of mRNA precursors.

### 組織特異性

Found in adrenal and parathyroid glands, kidney and heart.

### 関連疾患

Defects in CDC73 are a cause of familial isolated hyperparathyroidism (FIHP) [MIM:145000]; also known as hyperparathyroidism type 1 (HRPT1). FIHP is an autosomal dominant disorder characterized by hypercalcemia, elevated parathyroid hormone (PTH) levels, and uniglandular or multiglandular parathyroid tumors.

Defects in CDC73 are the cause of hyperparathyroidism-jaw tumor syndrome (HPT-JT) [MIM:145001]; also known as hyperparathyroidism type 2 (HRPT2) or familial primary hyperparathyroidism with multiple ossifying jaw fibromas. HPT-JT is an autosomal dominant, multiple neoplasia syndrome primarily characterized by hyperparathyroidism due to parathyroid tumors. Thirty percent of individuals with HPT-JT may also develop ossifying fibromas, primarily of the mandible and maxilla, which are distinct from the brown tumors associated with severe hyperparathyroidism. Kidney lesions may also occur in HPT-JT as bilateral cysts, renal hamartomas or Wilms tumors.

Defects in CDC73 are a cause of parathyroid carcinoma (PRTC) [MIM:608266]. These cancers characteristically result in more profound clinical manifestations of hyperparathyroidism than do parathyroid adenomas, the most frequent cause of primary hyperparathyroidism. Early en bloc

resection of the primary tumor is the only curative treatment.

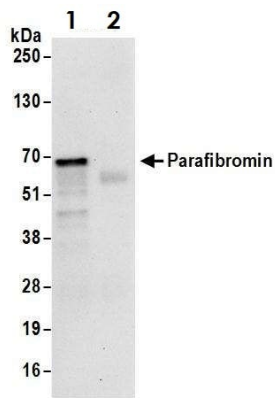
## 配列類似性

Belongs to the CDC73 family.

## 細胞内局在

Nucleus.

## 画像



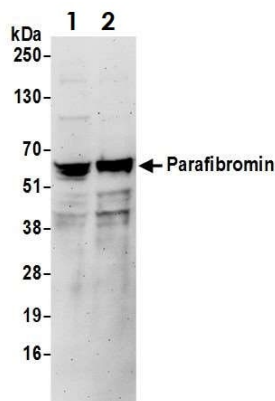
Immunoprecipitation - Anti-HRPT2/Parafibromin antibody (ab70533)

HRPT2/ parafibromin was immunoprecipitated from HEK293T whole cell lysate (1 mg per IP reaction, 20% loaded) with ab70533 at 6 µg per reaction. Western blot was performed on the immunoprecipitate using ab70533 at 0.04 µg/mL.

Lane 1: ab70533 IP in HEK-293T whole cell lysate.

Lane 2: Control IgG in HEK-293T whole cell lysate.

Detection: Chemiluminescence with an exposure time of 30 seconds



Western blot - Anti-HRPT2/Parafibromin antibody (ab70533)

**All lanes :** Anti-HRPT2/Parafibromin antibody (ab70533) at 0.04 µg/ml

**Lane 1 :** TCMK-1 whole cell lysate

**Lane 2 :** HEK293T whole cell lysate

Lysates/proteins at 50 µg/ml per lane.

Developed using the ECL technique.

**Predicted band size:** 61 kDa

**Exposure time:** 3 minutes

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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