

# Anti-RENT1/hUPF1 antibody ab86057

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### 概述

<b>产品名称</b>	Anti-RENT1/hUPF1抗体
<b>描述</b>	兔多克隆抗体to RENT1/hUPF1
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> WB, IP
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human <b>预测可用于:</b> Rat, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Xenopus laevis, Zebrafish, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis, Medaka fish 
<b>免疫原</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>阳性对照</b>	HeLa and NIH3T3 whole cell lysates.
<b>常规说明</b>	<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>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
<b>纯度</b>	Immunogen affinity purified
<b>纯化说明</b>	ab86057 was affinity purified using an epitope specific to RENT1/hUPF1 immobilized on solid support.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

## 应用

### The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab86057 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. Detects a band of approximately 134 kDa (predicted molecular weight: 134 kDa).
IP		Use at 2-5 µg/mg of lysate.

## 靶标

### 功能

Plays a role in replication-dependent histone mRNA degradation at the end of phase S. Part of a post-splicing multiprotein complex. Involved in nonsense-mediated decay (NMD) as part of the SMG1C complex, a mRNA surveillance complex that recognizes and degrades mRNAs containing premature translation termination codons (PTCs). The complex probably acts by associating with ribosomes during translation termination on mRNPs. If an exon junction complex (EJC) is located 50-55 or more nucleotides downstream from the termination codon, RENT1 is phosphorylated by SMG1, triggering nonsense-mediated decay (NMD). Essential for embryonic viability.

### 组织特异性

Ubiquitous.

### 序列相似性

Belongs to the DNA2/NAM7 helicase family.  
Contains 1 C2H2-type zinc finger.

### 结构域

The [ST]-Q motif constitutes a recognition sequence for kinases from the PI3/PI4-kinase family.

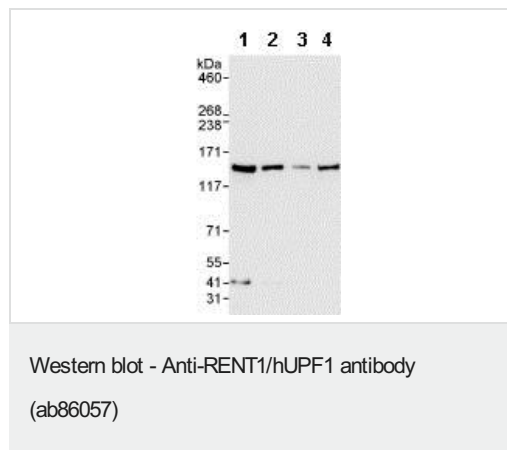
### 翻译后修饰

Phosphorylated by SMG1; required for formation of mRNA surveillance complexes.  
Phosphorylated upon DNA damage, probably by ATM or ATR.

### 细胞定位

Cytoplasm. Cytoplasm > P-body. Hyperphosphorylated form is targeted to the P-body, while unphosphorylated protein is distributed throughout the cytoplasm.

## 图片



**All lanes :** Anti-RENT1/hUPF1 antibody (ab86057) at 0.04 µg/ml

**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

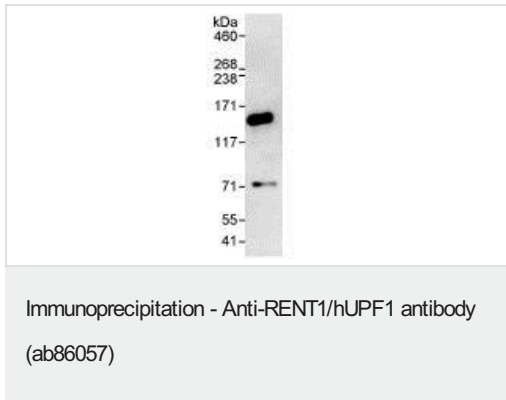
**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** NIH3T3 whole cell lysate at 50 µg

**Predicted band size:** 134 kDa

**Observed band size:** 134 kDa

**Exposure time:** 10 seconds



Detection of RENT1/hUPF1 by Western Blot of Immunoprecipitate.  
ab86057 at 1µg/ml staining RENT1/hUPF1 in HeLa whole cell  
lysate immunoprecipitated using ab86057 at 3µg/mg lysate (1  
mg/IP; 20% of IP loaded/lane).  
Detection: Chemiluminescence with exposure time of 10 seconds.

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

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