


## Product datasheet

# Anti-RNF20 antibody ab70496

画像数 3

### 製品の概要

製品名	Anti-RNF20 antibody
製品の詳細	Rabbit polyclonal to RNF20
由来種	Rabbit
特異性	We have data to indicate that this antibody may not cross react with Mouse. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to a region between residues 125 and 175 of human RNF20. (NP_062538.5)
ポジティブ・コントロール	HeLa and 293T whole cell lysates.

### 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	Preservative: 0.09% Sodium Azide Constituents: 8mM PBS, 60mM Citrate, 150mM Tris, pH 7-8
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

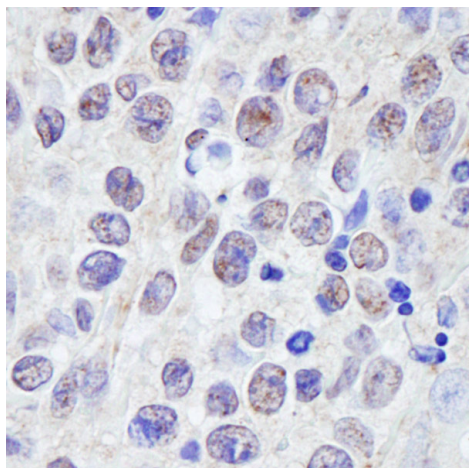
### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab70496** in the following tested applications.

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

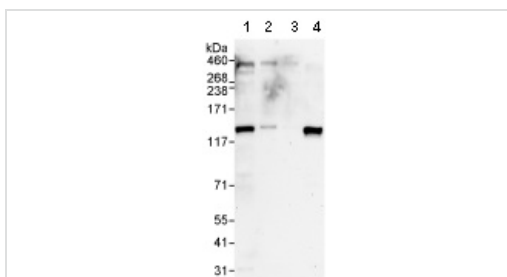
アプリケーション	Abreviews	特記事項
WB		
IP		
<b>追加情報</b>	<p>IP: Use at 2-5µg/mg of lysate.</p> <p>WB: 1/2000 - 1/10000. Detects a band of approximately 125 kDa (predicted molecular weight: 114 kDa).</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
<b>ターゲット情報</b>		
<b>機能</b>	<p>Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 gives a specific tag for epigenetic transcriptional activation and is also prerequisite for histone H3 'Lys-4' and 'Lys-79' methylation (H3K4me and H3K79me, respectively). It thereby plays a central role in histone code and gene regulation. The RNF20/40 complex forms a H2B ubiquitin ligase complex in cooperation with the E2 enzyme UBE2A or UBE2B; reports about the cooperation with UBE2E1/UBCH are contradictory. Required for transcriptional activation of Hox genes. Recruited to the MDM2 promoter, probably by being recruited by p53/TP53, and thereby acts as a transcriptional coactivator. Mediates the polyubiquitination of isoform 2 of PA2G4 in cancer cells leading to its proteasome-mediated degradation.</p>	
<b>組織特異性</b>	Expressed in the normal brain and also in malignant gliomas (at protein level).	
<b>パスウェイ</b>	Protein modification; protein ubiquitination.	
<b>配列類似性</b>	<p>Belongs to the BRE1 family.</p> <p>Contains 1 RING-type zinc finger.</p>	
<b>細胞内局在</b>	Nucleus.	

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RNF20 antibody (ab70496)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human metastatic lymph node tissue labelling RNF20 with ab70496 at 1/1000 (1 µg/ml).  
Detection: DAB.



Western blot - RNF20 antibody (ab70496)

**All lanes :** Anti-RNF20 antibody (ab70496) at 0.1 µg/ml

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

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

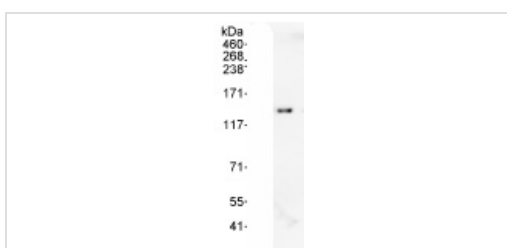
**Lane 3 :** HeLa whole cell lysate at 5 µg

**Lane 4 :** 293T whole cell lysate at 50 µg

**Predicted band size:** 114 kDa

**Observed band size:** 125 kDa

**Exposure time:** 30 seconds



Immunoprecipitation - RNF20 antibody (ab70496)

Detection of Human RNF20 by Western Blot of Immunoprecipitate. ab70496 at 1 µg/ml staining RNF20 in HeLa whole cell lysates immunoprecipitated at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane) using ab70496. Detection: Chemiluminescence with exposure times of 10 seconds.

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