

Datasheet for ABIN6264788  
**anti-RNF20 antibody (Internal Region)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | RNF20  |
| Binding Specificity: | Internal Region  |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This RNF20 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | A synthesized peptide derived from human RNF20, corresponding to a region within the internal amino acids.                |
| Isotype:              | IgG   |
| Specificity:          | RNF20 Antibody detects endogenous levels of total RNF20.  |
| Predicted Reactivity: | Pig,Bovine,Horse,Rabbit,Dog,Chicken   |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

|         |       |
|---------|-------|
| Target: | RNF20 |
|---------|-------|

## Target Details

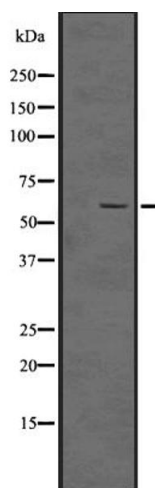
|                   |   |
|-------------------|---|
| Alternative Name: | RNF20 ( <a href="#">RNF20 Products</a> )  |
| Background:       | <p>Description: Component of the RNF20/40 E3 ubiquitin-protein ligase complex that mediates monoubiquitination of 'Lys-120' of histone H2B (H2BK120ub1). H2BK120ub1 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> <p>Gene: RNF20</p> |
| Molecular Weight: | 114kDa  |
| Gene ID:          | 56254   |
| UniProt:          | <a href="#">Q5VTR2</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | WB 1:1000-3000, IF/ICC, ELISA(peptide) 1:20000-1:40000 |
| Restrictions:      | For Research Use only                                  |

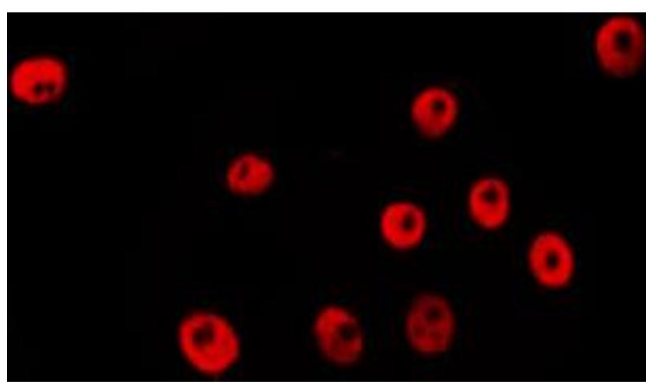
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 mg/mL  |
| Buffer:            | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.                  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20 °C. Stable for 12 months from date of receipt.  |
| Expiry Date:       | 12 months  |



### Western Blotting

**Image 1.** Western blot analysis of RNF20 using 293 whole cell lysates



### Immunofluorescence (fixed cells)

**Image 2.** ABIN6274044 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.