

Datasheet for ABIN6991108  
**anti-RNF168 antibody (C-Term)**



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## Overview

Quantity:	0.1 mg
Target:	RNF168
Binding Specificity:	AA 440-490, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF168 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	RNF168 antibody was raised against an 18 amino acid synthetic peptide from near the carboxy terminus of human RNF168. The immunogen is located within amino acids 440 - 490 of RNF168.
Isotype:	IgG
Purification:	RNF168 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	RNF168
Alternative Name:	RNF168 ( <a href="#">RNF168 Products</a> )
Background:	RNF168 Antibody: RNF168 was identified as a chromatin-associated RING finger protein that acts as a ubiquitin ligase both in vitro and in vivo. RNF168 targets histones H2A and H2AX, but

## Target Details

not H2B, forming K63 polyubiquitin chains. Upon formation of DNA double strand breaks, RNF168 is recruited to the site of DNA damage where it co-localizes with gammaH2AX and 53BP1 in an RNF8-dependent manner. This localization of RNF168 increases the local concentration of ubiquitinated proteins to the threshold required for retention of the proteins 53BP1 and BRCA1, facilitating the downstream signaling cascade. Thus, RNF168 defines a new pathway demonstrating a functional cooperation between E3 ligases in genome maintenance. At least three isoforms of RNF168 are known to exist.

Gene ID: 165918

NCBI Accession: [NP\\_689830](#)

UniProt: [Q8IYW5](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

## Application Details

Application Notes: RNF168 antibody can be used for detection of RNF168 by Western blot at 1 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: RNF168 Antibody is supplied in PBS containing 0.02 % sodium azide.

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, 4 °C

Storage Comment: RNF168 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.