

Product datasheet

Anti-RNF169 antibody ab188237

[1 References](#) [1 Image](#)

Overview

Product name	Anti-RNF169 antibody
Description	Rabbit polyclonal to RNF169
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment corresponding to Human RNF169 aa 1-250. Database link: Q8NCN4 Run BLAST with Run BLAST with
Positive control	RNF169 transfected U2OS, NIH-3T3, INS-1 cell lysates
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab188237 in the following tested applications.

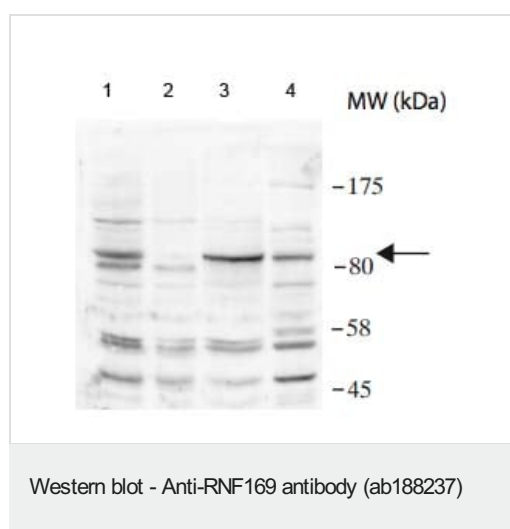
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 77 kDa.

Target

Function	Probable E3 ubiquitin-protein ligase that acts as a negative regulator of double-strand breaks (DSBs) repair following DNA damage. Recruited to DSB repair sites by recognizing and binding ubiquitin catalyzed by RNF168 and competes with TP53BP1 and BRCA1 for association with RNF168-modified chromatin, thereby acting as a negative regulator of DSBs repair. E3 ubiquitin-protein ligase activity is not required for regulation of DSBs repair.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the RNF169 family. Contains 1 RING-type zinc finger.
Domain	The MIU motif (motif interacting with ubiquitin) mediates the interaction with both 'Lys-48'- and 'Lys-63'-linked ubiquitin chains (PubMed:22733822 and PubMed:22492721). The UMI motif also mediates interaction with ubiquitin. The specificity for different types of ubiquitin is mediated by juxtaposition of ubiquitin-binding motifs (MIU and UMI motifs) with LR motifs (LRMs) (PubMed:22742833).
Cellular localization	Nucleus > nucleoplasm. Localizes to sites of double-strand breaks (DSBs) following DNA damage. Recruited to DSBs via recognition of RNF168-dependent ubiquitin products.

Images



All lanes : Anti-RNF169 antibody (ab188237) at 1/2000 dilution

Lane 1 : U2OS cell lysate (si RNA control)

Lane 2 : U2OS cell lysate (si RNA RNF169 transfected)

Lane 3 : NIH-3T3 cell lysate

Lane 4 : INS-1 cell lysate

Lysates/proteins at 40 µg per lane.

Predicted band size: 77 kDa

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

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