


Anti-RNF5/NG2 antibody ab128200

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Overview

Product name	Anti-RNF5/NG2 antibody
Description	Rabbit polyclonal to RNF5/NG2
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant 
Immunogen	Synthetic peptide corresponding to Human RNF5/NG2 aa 1-50. Database link: NP_008844.1
Positive control	293T, HeLa and Jurkat whole cell lysate (ab7899)
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 -20°C.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
	pH = 7-8
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab128200 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		1/1000 - 1/5000. Predicted molecular weight: 20 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

Function

Has E2-dependent E3 ubiquitin-protein ligase activity. May function together with E2 ubiquitin-conjugating enzymes UBE2D1/UBCH5A and UBE2D2/UBC4. Mediates ubiquitination of PXN/paxillin and Salmonella type III secreted protein sopA. May be involved in regulation of cell motility and localization of PXN/paxillin. Mediates the 'Lys-63'-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD; the ubiquitination appears to involve E2 ubiquitin-conjugating enzyme UBE2N. Mediates the 'Lys-48'-linked polyubiquitination of TMEM173 at 'Lys-150' leading to its proteasomal degradation; the ubiquitination occurs in mitochondria after viral transfection and regulates antiviral responses.

Tissue specificity

Widely expressed.

Pathway

Protein modification; protein ubiquitination.

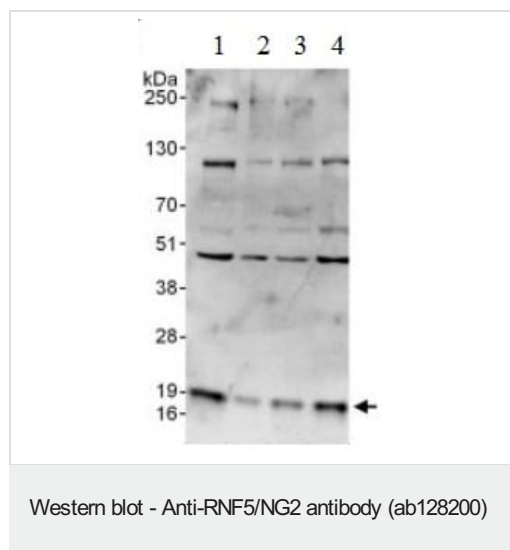
Sequence similarities

Contains 1 RING-type zinc finger.

Cellular localization

Membrane. Mitochondrion membrane. Endoplasmic reticulum membrane. Predominantly located in the plasma membrane, with some localization occurring within cytoplasmic organelles.

Images



All lanes : Anti-RNF5/NG2 antibody (ab128200) at 0.4 µg/ml

Lane 1 : 293T whole cell lysate at 50 µg

Lane 2 : 293T whole cell lysate at 15 µg

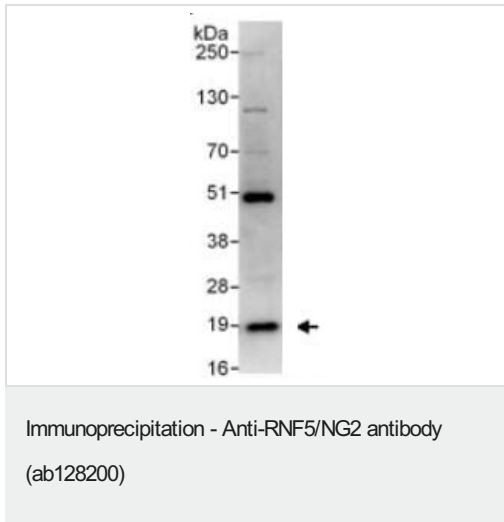
Lane 3 : Hela whole cell lysate at 50 µg

Lane 4 : Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 20 kDa

Exposure time: 10 seconds



Detection of RNF5/NG2 by Western blot of immunoprecipitate

ab128200, at 6 µg/ml, immunoprecipitating RNF5/NG2 in 293T whole cell lysate (1 mg for IP, 20% of IP loaded).

ab128200 was used at 1 µg/ml for blotting immunoprecipitated RNF5/NG2.

Detection: Chemiluminescence with exposure time of 3 seconds.

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

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