

Anti-RNF168 Antibody

Catalog Number: A01224

About RNF168

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 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.

Overview

Product Name	Anti-RNF168 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-RNF168 Antibody (Catalog # A01224). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	RNF168 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	RNF168 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8IYW5

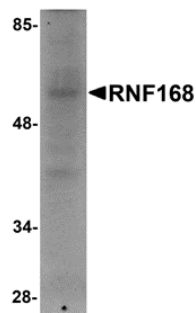
Technical Details

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.
Predicted Reactive Species	Bovine, Rat
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	RNF168 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

RNF168 antibody can be used for detection of RNF168 by Western blot at 1 ug/mL.
Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-RNF168 Antibody (A01224) Images



Western blot analysis of RNF168 in human brain tissue lysate with RNF168 antibody at 1 ug/mL.

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Anti-RNF168 Antibody

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