

RNF169 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12287**Specification**

RNF169 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O8NCN4
Other Accession	NM_001098638 , NP_001092108
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77kDa KDa

RNF169 antibody - N-terminal region - Additional Information**Gene ID** 254225

Alias Symbol	KIAA1991
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Other Names
E3 ubiquitin-protein ligase RNF169, 6.3.2.-, RING finger protein 169, RNF169, KIAA1991

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RNF169 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RNF169 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RNF169 antibody - N-terminal region - Protein Information**Name** RNF169**Synonyms** KIAA1991**Function**

Probable E3 ubiquitin-protein ligase that acts as a regulator of double-strand breaks (DSBs) repair following DNA damage. Functions in a non-canonical fashion to harness RNF168-mediated protein recruitment to DSB-containing chromatin, thereby contributing to regulation of DSB repair pathway utilization (PubMed:22492721, PubMed:<a href="http://www.uniprot.org/citations/30773093"

target="_blank">30773093). Once recruited to DSB repair sites by recognizing and binding ubiquitin catalyzed by RNF168, competes with TP53BP1 and BRCA1 for association with RNF168-modified chromatin, thereby favouring homologous recombination repair (HRR) and single-strand annealing (SSA) instead of non-homologous end joining (NHEJ) mediated by TP53BP1 (PubMed:30104380, PubMed:30773093). E3 ubiquitin-protein ligase activity is not required for regulation of DSBs repair.

Cellular Location

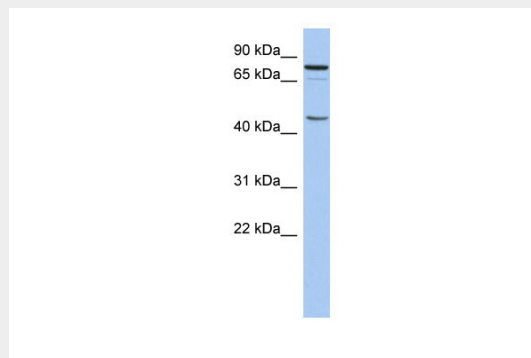
Chromosome. Nucleus, nucleoplasm. Note=Localizes to sites of double-strand breaks (DSBs) following DNA damage. Recruited to DSBs via recognition of RNF168-dependent ubiquitin products.

RNF169 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RNF169 antibody - N-terminal region - Images



WB Suggested Anti-RNF169 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: THP-1 cell lysate

RNF169 antibody - N-terminal region - References

Olsen, J.V., (2006) Cell 127(3), 635-648 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.