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

Specification

RNF169 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8NCN4
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**

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.

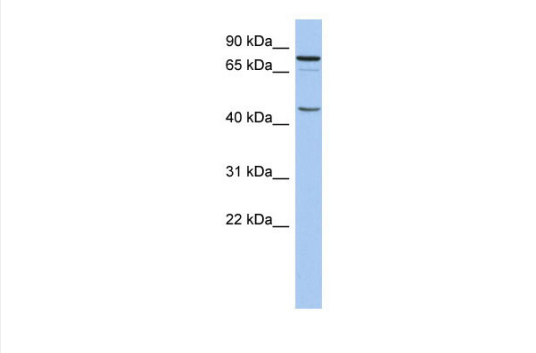
Cellular Location
Chromosome. Nucleus, nucleoplasm. Note=Localizes to sites of double-strand breaks (DSBs) following DNA damage. Recruited to DSBs via recognition of RNF168-dependent ubiquitin products.

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 Cytomety
- 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)Cell127(3),635-648ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.