10320 Camino Santa Fe, Suite G
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RNF169 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59200

Specification

RNF169 Polyclonal Antibody - Product Information

Application	**IHC-P, WB**
Primary Accession	Q8NCN4
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**77194**

RNF169 Polyclonal Antibody - Additional Information

Gene ID 254225

Other Names
E3 ubiquitin-protein ligase RNF169, 2.3.2.27, RING finger protein 169, RING-type E3 ubiquitin transferase RNF169, RNF169, KIAA1991

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

RNF169 Polyclonal Antibody - 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: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.

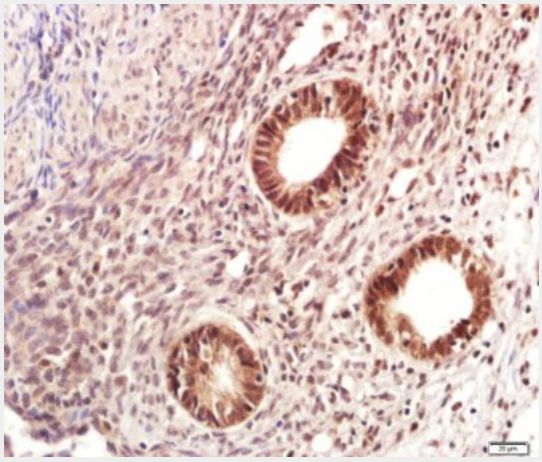
Cellular Location
Chromosome. Nucleus, nucleoplasm. Note=Localizes to sites of double-strand breaks (DSBs) following DNA damage. Recruited to DSBs via recognition of RNF168-dependent ubiquitin products.

RNF169 Polyclonal Antibody - 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 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RNF169) Polyclonal Antibody, Unconjugated (bs-9259R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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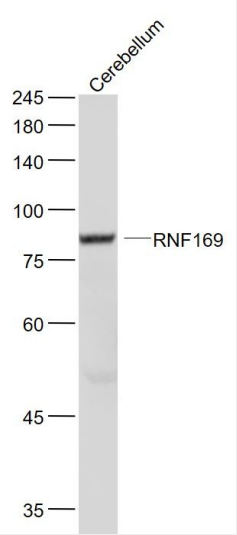
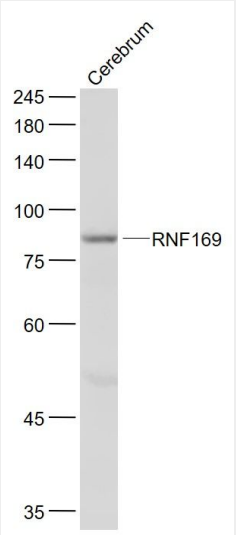


Sample:
Cerebellum (Mouse) Lysate at 40 ug
Primary: Anti- RNF169 (bs-9259R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 77 kD
Observed band size: 77 kD



Sample:
Cerebrum (Mouse) Lysate at 40 ug
Primary: Anti- RNF169 (bs-9259R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 77 kD
Observed band size: 77 kD