

# **Human/Mouse/Rat RNF2 Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF6065

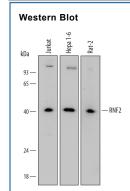
DESCRIPTION		
Species Reactivity	Human/Mouse/Rat	
Specificity	Detects human, mouse, and rat RNF2 in Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human RNF2 aa 147-228 Accession # Q99496	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

#### DATA



Detection of Human, Mouse, and Rat RNF2 by Western Blot. Western Blot shows lysates of Jurkat human acute T cell leukemia cell line, Hepa 1-6 mouse hepatoma cell line, and Rat-2 rat embryonic fibroblast cell line. PVDF Membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat RNF2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6065) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for RNF2 at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

# PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution

## BACKGROUND

RNF2 (RING [really interesting gene] finger protein 2/1B; also BAP-1, HIP-2 interacting protein 3 and DinG) is a 37 kDa member of the ring finger domain family of proteins. It is expressed in embryonic tissue, and serves as an E3 ubiquitin ligase within a polycomb complex that acts on histone H2A. In effect, RNF2 contributes to gene repression by blocking RNA pol II advance along gene promoters. RNF2 forms homodimers, and interacts with over a dozen proteins. Human RNF2 is 336 amino acids (aa) in length contains one Zn-finger domain (aa 51-91) and two phosphorylation sites at Ser168 and Ser203. There is one potential isoform that shows a deletion of aa 84-155. Over aa 147-228, human RNF2 shares 99% aa identity with mouse RNF2.

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