

DESCRIPTION

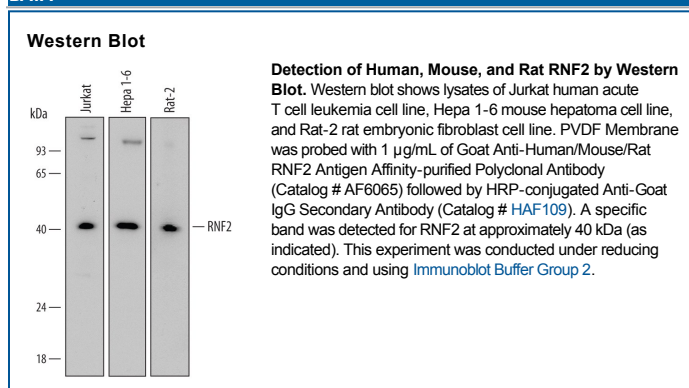
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat RNF2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human RNF2 aa 147-228 Accession # Q99496
Formulation	Lyophilized from a 0.2 µm filtered solution 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



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. <ul style="list-style-type: none"> 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.