

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
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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