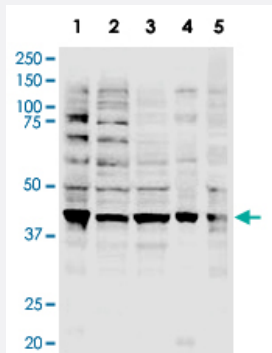


RNF2 polyclonal antibody

Catalog # PAB10232 Size 100 ug

Applications



Western Blot

Western blot using RNF2 polyclonal antibody (Cat # PAB10232) shows detection of a 38 KDa band corresponding to human RNF2 in 3T3 (Lane 1), U937 (Lane 2), Jurkat (Lane 3), mouse brain (Lane 4) and CHO-K1 (Lane 5) cell lysates.

Approximately 20 ug of lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of RNF2 polyclonal antibody incubated at room temperature.

Signal was detected using standard techniques.

Specification

Product Description	goat polyclonal antibody raised against synthetic peptide of RNF2.
Immunogen	A synthetic peptide corresponding to amino acids 189-201 of human RNF2.
Host	Goat
Reactivity	Bovine, Chicken, Chimpanzee, Dog, Frog, Human, Mouse, Orangutan, Rat
Specificity	This affinity purified antibody is directed against human RING1B protein.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:5000-1:25000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — RNF2

Entrez GeneID[6045](#)**Protein Accession#**[Q99496;NP_009143](#)**Gene Name**

RNF2

Gene Alias

BAP-1, BAP1, DING, HIPI3, RING1B, RING2

Gene Description

ring finger protein 2

Omim ID[608985](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Polycomb group (PcG) of proteins form the multiprotein complexes that are important for the transcription repression of various genes involved in development and cell proliferation. The protein encoded by this gene is one of the PcG proteins. It has been shown to interact with, and suppress the activity of, transcription factor CP2 (TFCP2/CP2). Studies of the mouse counterpart suggested the involvement of this gene in the specification of anterior-posterior axis, as well as in cell proliferation in early development. This protein was also found to interact with huntingtin interacting protein 2 (HIP2), an ubiquitin-conjugating enzyme, and possess ubiquitin ligase activity. [provided by RefSeq]

Other Designations

OTTHUMP00000033405|OTTHUMP00000060668

Publication Reference

- [Rnf2 \(Ring1b\) deficiency causes gastrulation arrest and cell cycle inhibition.](#)

Voncken JW, Roelen BA, Roefs M, de Vries S, Verhoeven E, Marino S, Deschamps J, van Lohuizen M.

PNAS 2003 Mar; 100(5):2468.

- [Involvement of the Polycomb-group gene Ring1B in the specification of the anterior-posterior axis in mice.](#)

Suzuki M, Mizutani-Koseki Y, Fujimura Y, Miyagishima H, Kaneko T, Takada Y, Akasaka T, Tanzawa H, Takihara Y, Nakano M, Masumoto H, Vidal M, Isono K, Koseki H.

Development 2002 Sep; 129(18):4171.

Application: IF, IP-WB, WB-Ti, Human, Mouse, Embryos, U2OS cells

- [Binding of the RING polycomb proteins to specific target genes in complex with the grainyhead-like family of developmental transcription factors.](#)

Tuckfield A, Clouston DR, Wilanowski TM, Zhao LL, Cunningham JM, Jane SM.

Molecular and Cellular Biology 2002 Mar; 22(6):1936.

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasms](#)
- [Recurrence](#)