

Datasheet for ABIN7601889
anti-RNF168 antibody (AA 5-571)



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Overview

Quantity:	100 µg
Target:	RNF168
Binding Specificity:	AA 5-571
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF168 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-RNF168 Picoband® Antibody
Immunogen:	E.coli-derived human RNF168 recombinant protein (Position: K5-K571).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-R Picoband® Antibody (ABIN7601889). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	RNF168
Alternative Name:	RNF168 (RNF168 Products)
Background:	Synonyms: E3 ubiquitin-protein ligase RNF168, hRNF168, RING finger protein 168, RING-type E3 ubiquitin transferase RNF168, RNF168 Tissue Specificity: Widely expressed. Strongly expressed in testis, prostate, and ovary. Overexpressed in cancer cell lines. Isoform 5 and isoform 6 may only be expressed in tumor cell lines. Background: Ring finger protein 168 is a protein that in humans is encoded by the RNF168 gene. It is mapped to 3q29. This gene encodes an E3 ubiquitin ligase protein that contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-DNA and protein-protein interactions. The protein is involved in DNA double-strand break (DSB) repair. Mutations in this gene result in Riddle syndrome.
Molecular Weight:	65 kDa
Gene ID:	165918
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Devgan, S. S., Sanal, O., Doil, C., Nakamura, K., Nahas, S. A., Pettijohn, K., Bartek, J., Lukas, C., Lukas, J., Gatti, R. A. Homozygous deficiency of ubiquitin-ligase ring-finger protein RNF168 mimics the radiosensitivity syndrome of ataxia-telangiectasia. <i>Cell Death Diff.</i> 18: 1500-1506, 2011. 2. Doil, C., Mailand, N., Bekker-Jensen, S., Menard, P., Larsen, D. H., Pepperkok, R., Ellenberg, J., Panier, S., Durocher, D., Bartek, J., Lukas, J., Lukas, C. RNF168 binds and amplifies ubiquitin conjugates on damaged chromosomes to allow accumulation of repair proteins. <i>Cell</i> 136: 435-446, 2009. 3. Nakada, S., Tai, I., Panier, S., Al-Hakim, A., Iemura, S., Juang, Y.-C., O'Donnell, L., Kumakubo, A., Munro, M., Sicheri, F., Gingras, A.-C., Natsume, T., Suda, T., Durocher, D. Non-canonical inhibition of DNA damage-dependent ubiquitination by OTUB1. <i>Nature</i> 466: 941-946, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.