

Datasheet for ABIN7601200
anti-RNF8 antibody (AA 3-488)



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Overview

Quantity:	100 µg
Target:	RNF8
Binding Specificity:	AA 3-488
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNF8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RNF8 Antibody Picoband®
Immunogen:	E.coli-derived mouse RNF8 recombinant protein (Position: E3-S488).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RNF8 Antibody Picoband® (ABIN7601200). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. 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:	RNF8
Alternative Name:	Rnf8 (RNF8 Products)
Background:	Synonyms: High affinity nerve growth factor receptor Tissue Specificity: Isoform TrkA-I is found in most non-neuronal tissues. Isoform TrkA-II is primarily expressed in neuronal cells. TrkA-III is specifically expressed by pluripotent neural stem and neural crest progenitors. Background: E3 ubiquitin-protein ligase RNF8 is an enzyme that in humans is encoded by the RNF8 gene. The protein encoded by this gene contains a RING finger motif and an FHA domain. This protein has been shown to interact with several class II ubiquitin-conjugating enzymes (E2), including UBE2E1/UBCH6, UBE2E2, and UBE2E3, and may act as an ubiquitin ligase (E3) in the ubiquitination of certain nuclear proteins. This protein is also known to play a role in the DNA damage response and depletion of this protein causes cell growth inhibition and cell cycle arrest. Alternative splicing results in multiple transcript variants.
Molecular Weight:	56 kDa
Gene ID:	58230
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Bekker-Jensen, S., Rendtlew Danielsen, J., Fugger, K., Gromova, I., Nerstedt, A., Lukas, C., Bartek, J., Lukas, J., Mailand, N. HERC2 coordinates ubiquitin-dependent assembly of DNA repair factors on damaged chromosomes. <i>Nature Cell Biol.</i> 12: 80-86, 2010. Note: Erratum <i>Nature Cell Biol.</i> 12: 412 only, 2010. 2. Ishikawa, K., Nagase, T., Suyama, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro. <i>DNA Res.</i> 5: 169-176, 1998. 3. Kolas, N. K., Chapman, J. R., Nakada, S., Ylanko, J., Chahwan, R., Sweeney, F. D., Panier, S., Mendez, M., Wildenhain, J., Thomson, T. M., Pelletier, L., Jackson, S. P., Durocher, D. Orchestration of the DNA-damage response by the RNF8 ubiquitin ligase. <i>Science</i> 318: 1637-1640, 2007.
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 , 0.01 mg Sodium azide.
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.