Datasheet for ABIN7600157

anti-BOP1 antibody (AA 157-701)

Go to Product page

Overview

Quantity:	100 µg
Target:	BOP1
Binding Specificity:	AA 157-701
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BOP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-BOP1 Antibody Picoband®
Immunogen:	E.coli-derived human BOP1 recombinant protein (Position: R157-N701). Human BOP1 shares 89.9% and 89.7% amino acid (aa) sequence identity with mouse and rat BOP1, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-BOP1 Antibody Picoband® (ABIN7600157). Tested in WB, ICC/IF, Flow Cytometry, ELISA 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	BOP1
Alternative Name:	BOP1 (BOP1 Products)
Background:	Synonyms: BOP1, KIAA0124, Ribosome biogenesis protein BOP1, Block of proliferation 1 protein Background: Enables RNA binding activity. Involved in regulation of cell cycle, regulation of signal transduction by p53 class mediator, and ribosomal large subunit biogenesis. Located in chromosome, nucleolus, and nucleoplasm. Part of PeBoW complex.
Molecular Weight:	110 kDa
Gene ID:	23246
UniProt:	Q14137

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Chen, B., Dragomir, M. P., Fabris, L., Bayraktar, R., Knutsen, E., Liu, X., Tang, C., Li, Y., Shimura, T., Ivkovic, T. C., Cruz de los Santos, M., Anfossi, S., and 36 others. The long noncoding RNA CCAT2 induces chromosomal instability through BOP1-AURKB signaling. Gastroenterology 159: 2146-2195, 2020. 2. Kellner, M., Rohrmoser, M., Forne, I., Voss, K., Burger, K., Muhl, B., Gruber-Eber, A., Kremmer, E., Imhof, A., Eick, D. DEAD-box helicase DDX27 regulates 3-prime end formation of ribosomal 47S RNA and stably associates with the PeBoW-complex. Exp. Cell Res. 334: 146-159, 2015. 3. Killian, A., Le Meur, N., Sesboue, R., Bourguignon, J., Bougeard, G., Gautherot, J., Bastard, C., Frebourg, T., Flaman, J.-M. Inactivation of the RRB1-pescadillo pathway involved in ribosome biogenesis induces chromosomal instability. Oncogene 23: 8597-8602, 2004.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 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 Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.