Datasheet for ABIN7599912

anti-CENPF antibody (AA 129-3078)

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Overview

Quantity:	100 µg
Target:	CENPF
Binding Specificity:	AA 129-3078
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPF antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CENPF Antibody Picoband®
Immunogen:	E.coli-derived human CENPF recombinant protein (Position: Q129-R3078).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CENPF Antibody Picoband® (ABIN7599912). Tested in ELISA, Flow Cytometry, IF, 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:	CENPF
Alternative Name:	CENPF (CENPF Products)
Background:	Synonyms: Glutathione S-transferase Mu 3, GST class-mu 3, GSTM3-3, hGSTM3-3, GSTM3, GST5, Tissue Specificity: Testis and brain. Background: Centromere protein F is a protein that in humans is encoded by the CENPF gene. This gene encodes a protein that associates with the centromere-kinetochore complex. The protein is a component of the nuclear matrix during the G2 phase of interphase. In late G2 the protein associates with the kinetochore and maintains this association through early anaphase. It localizes to the spindle midzone and the intracellular bridge in late anaphase and telophase, respectively, and is thought to be subsequently degraded. The localization of this protein suggests that it may play a role in chromosome segregation during mitotis. It is thought to form either a homodimer or heterodimer. Autoantibodies against this protein have been found in patients with cancer or graft versus host disease.
Molecular Weight:	358 kDa
Gene ID:	1063
UniProt:	P49454
Pathways:	Chromatin Binding, M Phase, SARS-CoV-2 Protein Interactome, The Global Phosphorylation Landscape of SARS-CoV-2 Infection

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. Filges, I., Bruder, E., Brandal, K., Meier, S., Undlien, D. E., Waage, T. R., Hoesli, I., Schubach, M., de Beer, T., Sheng, Y., Hoeller, S., Schulzke, S., Rosby, O., Miny, P., Tercanli, S., Oppedal, T., Meyer, P., Selmer, K. K., Stromme, P. Stromme syndrome is a ciliary disorder caused by mutations in CENPF. Hum. Mutat. 37: 359-363, 2016. Note: Erratum: Hum. Mutat. 37: 711 only, 2016. 2. Fowler, K. J., Saffery, R., Irvine, D. V., Trowell, H. E., Choo, K. H. A. Mouse centromere protein F (Cenpf) gene maps to the distal region of chromosome 1 by interspecific backcross analysis. Cytogenet. Cell Genet. 82: 180-181, 1998. 3. Gross, M. B. Personal Communication. Baltimore, Md. 8/24/2016.

Application Details

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.