Datasheet for ABIN7602867

anti-CENPB antibody (C-Term)

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Overview

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

Product Details

Purpose:	Anti-CENPB Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human CENPB, identical to the related mouse sequence.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CENPB Antibody Picoband® (ABIN7602867). Tested in 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	CENPB
Alternative Name:	CENPB (CENPB Products)
Background:	Synonyms: Sodium- and chloride-dependent GABA transporter 1,GAT-1,Solute carrier family 6 member 1,SLC6A1,GABATR, GABT1, GAT1, Tissue Specificity: Expressed in many tissues, highest levels in skeletal muscle. Background: Centromere protein B also known as major centromere autoantigen B is an autoantigen protein of the cell nucleus. In humans, centromere protein B is encoded by the CENPB gene. This gene product is a highly conserved protein that facilitates centromere formation. It is a DNA-binding protein that is derived from transposases of the pogo DNA transposon family. It contains a helix-loop-helix DNA binding motif at the N-terminus, and a dimerization domain at the C-terminus. The DNA binding domain recognizes and binds a 17-bp sequence (CENP-B box) in the centromeric alpha satellite DNA. This protein is proposed to play an important role in the assembly of specific centromere structures in interphase nuclei and on mitotic chromosomes. It is also considered a major centromere autoantigen recognized by sera from patients with anti-centromere antibodies.
Molecular Weight:	80 kDa
Gene ID:	1059
UniProt:	P07199

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

1. Cam, H. P., Noma, K., Ebina, H., Levin, H. L., Grewal, S. I. S. Host genome surveillance for retrotransposons by transposon-derived proteins. Nature 451: 431-436, 2008. 2. Earnshaw, W. C., Sullivan, K. F., Machlin, P. S., Cooke, C. A., Kaiser, D. A., Pollard, T. D., Rothfield, N. F., Cleveland, D. W. Molecular cloning of cDNA for CENP-B, the major human centromere autoantigen. J. Cell Biol. 104: 817-829, 1987. 3. Fowler, K. J., Hudson, D. F., Salamonsen, L. A., Edmondson, S. R., Earle, E., Sibson, M. C., Choo, K. H. A. Uterine dysfunction and genetic modifiers in centromere protein B-deficient mice. Genome Res. 10: 30-41, 2000.

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.