

Datasheet for ABIN968167

anti-CENPF antibody (AA 209-381)**4** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CENPF
Binding Specificity:	AA 209-381
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CENPF antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Human Mitosin aa. 209-381
Clone:	11-Mitosin
Isotype:	IgG1
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	CENPF
Alternative Name:	Mitotin (CENPF Products)
Background:	Mitotin, a nuclear protein of 3113 amino acids, contains a pair of tandem repeats and seven leucine repeats. In vitro, Mitotin directly interacts with the retinoblastoma protein, Rb. Mitotin is expressed throughout the cell cycle, with levels being lowest during G1, and it localizes at the kinetochore during the mitotic phase. The subcellular redistribution of Mitotin to the kinetochore is linked to its phosphorylation. Its expression is linked to patients with autoimmune diseases characterized by abnormal cell proliferation. Ectopic expression of a truncated version of Mitotin blocks the progression of the cell cycle. This suggests that the protein has an important role during cell proliferation. Because of similarities in subcellular localization and expression, Mitotin and the autoantigen p300/CENP-F, which is also linked to a multitude of autoimmune disorders, are probably the same protein.
Molecular Weight:	357 kDa
Pathways:	Chromatin Binding , M Phase , SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Comment:	Related Products: ABIN968537, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % 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:	-20 °C

Handling

Storage Comment: Store undiluted at -20° C.

Publications

Product cited in: Trinkle-Mulcahy, Andrews, Wickramasinghe, Sleeman, Prescott, Lam, Lyon, Swedlow, Lamond: "Time-lapse imaging reveals dynamic relocalization of PP1gamma throughout the mammalian cell cycle." in: **Molecular biology of the cell**, Vol. 14, Issue 1, pp. 107-17, (2003) ([PubMed](#)).

Landberg, Erlanson, Roos, Tan, Casiano: "Nuclear autoantigen p330d/CENP-F: a marker for cell proliferation in human malignancies." in: **Cytometry**, Vol. 25, Issue 1, pp. 90-8, (1997) ([PubMed](#)).

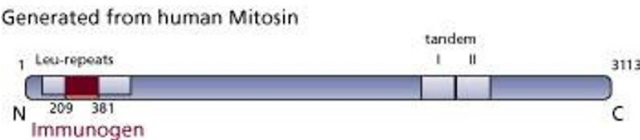
Casiano, Humbel, Peebles, Covini, Tan: "Autoimmunity to the cell cycle-dependent centromere protein p330d/CENP-F in disorders associated with cell proliferation." in: **Journal of autoimmunity**, Vol. 8, Issue 4, pp. 575-86, (1996) ([PubMed](#)).

Zhu, Mancini, Chang, Liu, Chen, Shan, Jones, Yang-Feng, Lee: "Characterization of a novel 350-kilodalton nuclear phosphoprotein that is specifically involved in mitotic-phase progression." in: **Molecular and cellular biology**, Vol. 15, Issue 9, pp. 5017-29, (1995) ([PubMed](#)).

Rattner, Rao, Fritzler, Valencia, Yen: "CENP-F is a .ca 400 kDa kinetochore protein that exhibits a cell-cycle dependent localization." in: **Cell motility and the cytoskeleton**, Vol. 26, Issue 3, pp. 214-26, (1994) ([PubMed](#)).

Images

Image 1.





Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of Mitosin on a Jurkat cell lysate (Human T-cell leukemia, ATCC TIB-152). Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the mouse anti-human Mitosin antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968167.