Datasheet for ABIN2854654

anti-CENPF antibody (C-Term)

3 Images | 1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	CENPF
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Whole Mount) (IHC (wm))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human CENPF. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to CENPF (centromere protein F, 350/400 kDa (mitosin)) CENPF antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CENPF
Alternative Name:	centromere protein F (CENPF Products)
Background:	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. Cellular Localization: Cytoplasm , perinuclear region , Nucleus matrix , Kinetochore , Spindle
Molecular Weight:	368 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:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Raji
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

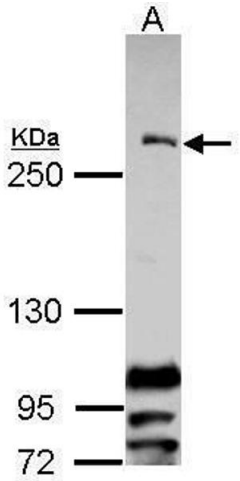
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

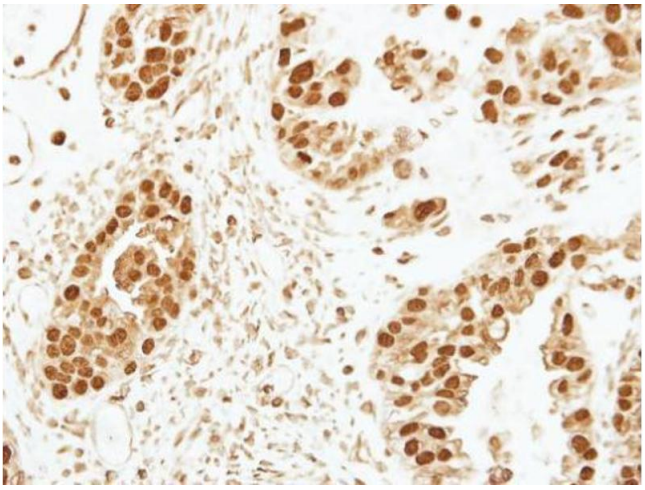
Product cited in:	Rodriguez-Gil, Hu, Greer: "Dishevelled proteins are associated with olfactory sensory neuron presynaptic terminals." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e56561, (2013) (PubMed).

Validation report #104437 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



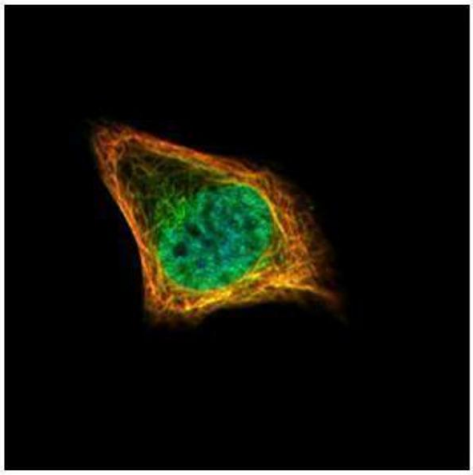
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Raji 5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human ovarian cancer, using CENPF, antibody at 1:250 dilution.



Immunofluorescence

Image 3. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using CENPF, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2500.

