

Datasheet for ABIN7147362
anti-CENPJ antibody (AA 1082-1248)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CENPJ
Binding Specificity:	AA 1082-1248
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CENPJ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Centromere protein J protein (1082-1248AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CENPJ
Alternative Name:	CENPJ (CENPJ Products)
Background:	Background: Plays an important role in cell division and centrosome function by participating in centriole duplication (PubMed:17681131, PubMed:20531387). Inhibits microtubule nucleation

Target Details

from the centrosome. Involved in the regulation of slow processive growth of centriolar microtubules. Acts as microtubule plus-end tracking protein that stabilizes centriolar microtubules and inhibits microtubule polymerization and extension from the distal ends of centrioles (PubMed:15047868, PubMed:27219064, PubMed:27306797). Required for centriole elongation and for STIL-mediated centriole amplification (PubMed:22020124). May be involved in the control of centriolar-microtubule growth by acting as a regulator of tubulin release (PubMed:27306797).

Aliases: BM032 antibody, CENP-J antibody, CENPJ antibody, CENPJ_HUMAN antibody, Centromere protein J antibody, Centrosomal P4.1-associated protein antibody, CPAP antibody, LAG-3-associated protein antibody, LAP antibody, LIP1 antibody, LYST interacting protein LIP1 antibody, LYST interacting protein LIP7 antibody, LYST-interacting protein 1 antibody, MCPH6 antibody, Sas 4 antibody, SASS4 antibody, SCKL4 antibody

UniProt: [Q9HC77](#)

Pathways: [M Phase](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

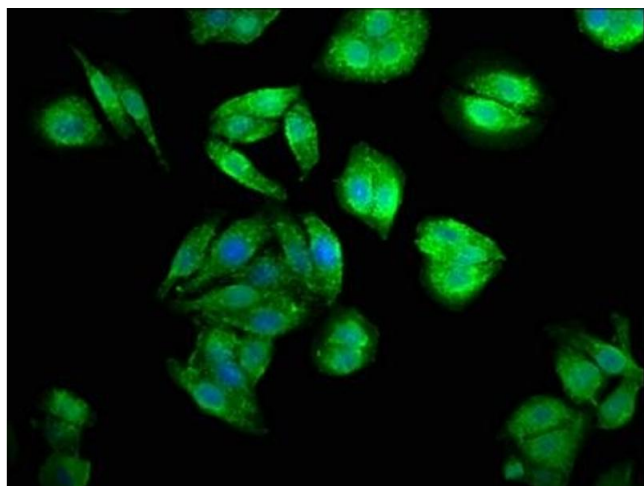
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

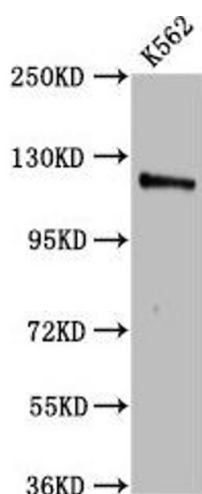
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7147362 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: K562 whole cell lysate All lanes: CENPJ antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 154, 125 kDa Observed band size: 125 kDa