

Datasheet for ABIN931089

anti-NDC80 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	NDC80
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NDC80 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Dot Blot (DB)

Product Details

Immunogen:	KNTC2 antibody was raised in mouse using recombinant Human Ndc80 Homolog, Kinetochores Complex Component (<i>S.Cerevisiae</i>) (Ndc80)
Clone:	2497C3a
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	NDC80
Alternative Name:	KNTC2 (NDC80 Products)

Target Details

Background: HEC is one of several proteins involved in spindle checkpoint signaling. This surveillance mechanism assures correct segregation of chromosomes during cell division by detecting unaligned chromosomes and causing prometaphase arrest until the proper bipolar attachment of chromosomes is achieved. Synonyms: Monoclonal KNTC2 antibody, Anti-KNTC2 antibody, Kinetochore associated 2 antibody, NDC80 antibody, HEC antibody, HEC1 antibody, TID3 antibody, hsNDC80 antibody.

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: WB: 0.2-2 µg/mL, ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: KNTC2 antibody in PBS (3.0 mM KCl, 1.5 mM KH₂ PO₄, 140 mM NaCl, 8.0 mM Na₂ HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

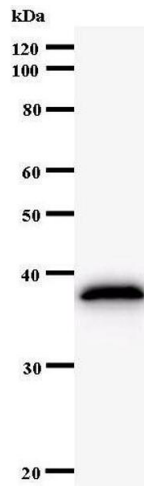
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

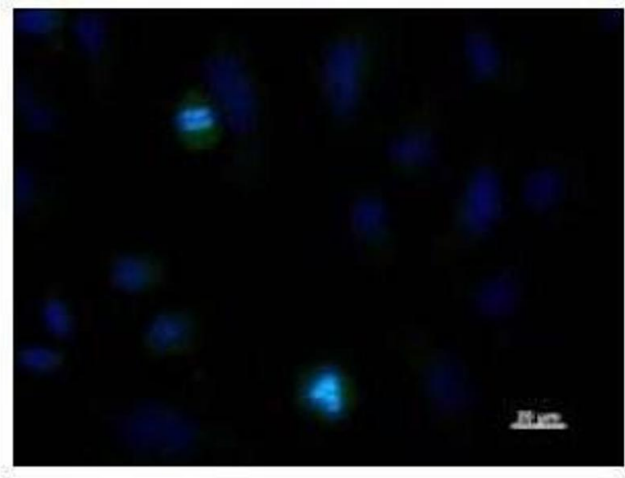
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



Western Blotting

Image 1.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-KNTC2 antibody. Nuclear was stained with Hoechst (blue fluorescence).