Product Name: **NDC80 Mouse Monoclonal Antibody**
Catalog #: **AMM82849**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	74KDa

Antigen Information

Gene Name	NDC80
Alternative Names	HEC; HEC1; TID3; KNTC2; HsHec1; hsNDC80
Gene ID	10403.0
SwissProt ID	O14777
Immunogen	Purified recombinant fragment of human NDC80 (AA: 443-642) expressed in mammalian cells.

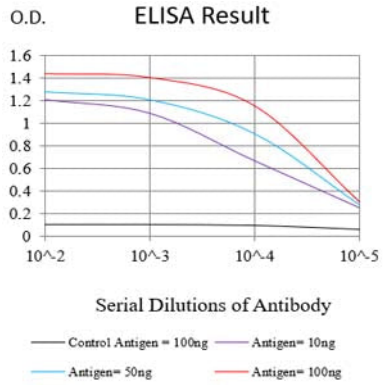
Background

This gene encodes a component of the NDC80 kinetochore complex. The encoded protein consists of an N-terminal microtubule binding domain and a C-terminal coiled-coiled domain that interacts with other components of the complex. This

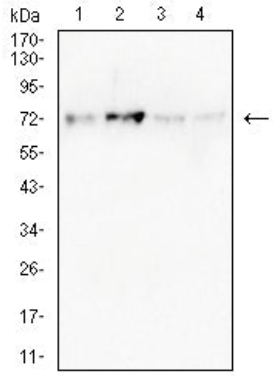
protein functions to organize and stabilize microtubule-kinetochore interactions and is required for proper chromosome segregation.

Research Area

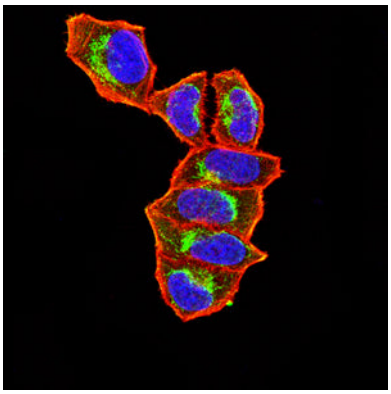
Image Data



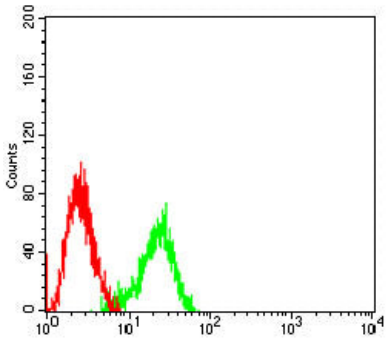
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



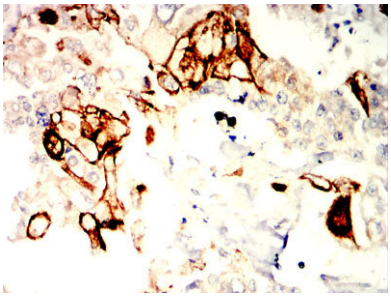
Western blot analysis using NDC80 mouse mAb against Hela (1), HepG2 (2), Jurkat (3)and K562 (4) cell lysate.



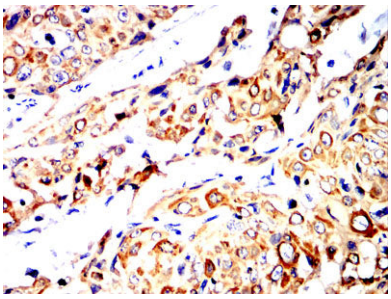
Immunofluorescence analysis of Hela cells using NDC80 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Hela cells using NDC80 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human mammary cancer tissues using NDC80 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissues using NDC80 mouse mAb with DAB staining.