

Product Name: KD-Validated NUDC Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01832**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 38.2kDa

Antigen Information

Gene Name	NUDC NUDC; Nuclear Distribution C, Dynein Complex Regulator; Nuclear Distribution Protein C Homolog; NudC Nuclear Distribution Protein; Nuclear Migration Protein NudC; Nuclear
Alternative Names	Distribution Gene C Homolog (A. Nidulans); Nuclear Distribution C Homolog (A. Nidulans); Nuclear Distribution Gene C Homolog; Nuclear Distribution C Homolog; NPD011; HNUDC; MNUDC
Gene ID	10726.0
SwissProt ID	Q9Y266
Immunogen	A synthesized peptide derived from human NUDC

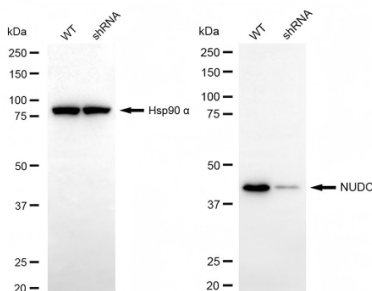
Background

This gene encodes a nuclear distribution protein that plays an essential role in mitosis and cytokinesis. The encoded protein is involved in spindle formation during mitosis and in microtubule organization during cytokinesis. Pseudogenes of this gene are found on chromosome 2. [provided by RefSeq, Feb 2012]

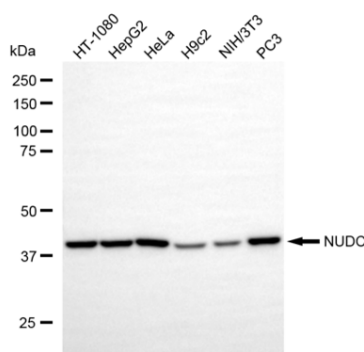
Research Area

Cell Biology, Neuroscience

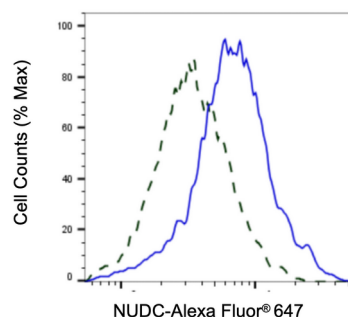
Image Data



Western blotting analysis using NUDC antibody (KVA01832). NUDC expression in wild-type (WT) and NUDC shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NUDC antibody (KVA01832, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NUDC antibody (KVA01832). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NUDC antibody (KVA01832, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of NUDC knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HT-1080 cells were stained with NUDC antibody (KVA01832, 1:2,000) and analyzed using BD flow cytometer.