

For Research Use Only

# NDP52 Monoclonal antibody

Catalog Number: 66401-1-Ig

Featured Product

4 Publications



## Basic Information

Catalog Number:

66401-1-Ig

Size:

1800 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG2866

GenBank Accession Number:

BC015893

GeneID (NCBI):

10241

UNIPROT ID:

Q13137

Full Name:

calcium binding and coiled-coil domain 2

Calculated MW:

446 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

2F2C2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : A549 cells, HeLa cells, Caco-2 cells, MDA-MB-231 cells, Jurkat cells, MOLT-4 cells, K-562 cells, Karpas-299 cells, human skeletal muscle tissue

IHC : human ovary tumor tissue,

IF/ICC : Jurkat cells,

## Background Information

NDP52, also named as CALCOCO2, is an autophagy receptor. It plays a role in ruffle formation and actin cytoskeleton organization. Mouse/Rat NDP52 has some isoforms with MW 28-40 kDa and 67 kDa. Human NDP52 has some isoforms with MW 43-47 kDa and 52-55 kDa,

## Notable Publications

Author	Pubmed ID	Journal	Application
Norihiko Furuya	30309841	EMBO Rep	WB
Yinfeng Xu	39689715	Immunity	IF
Jing Cheng	37909764	mBio	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

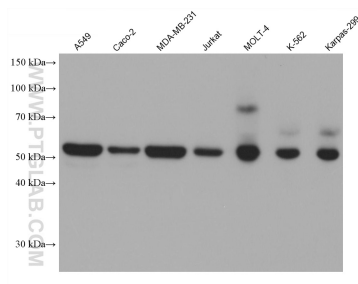
T: 4006900926

E: Proteintech-CN@ptglab.com

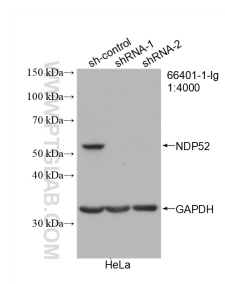
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

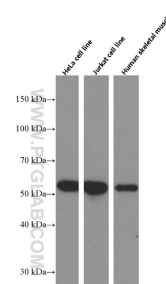
## Selected Validation Data



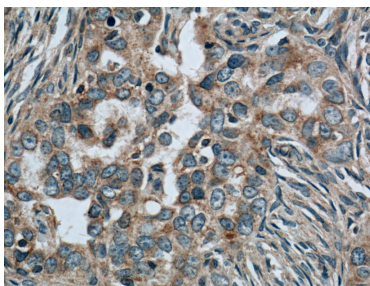
Various lysates were subjected to SDS PAGE followed by western blot with 66401-1-Ig (NDP52 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



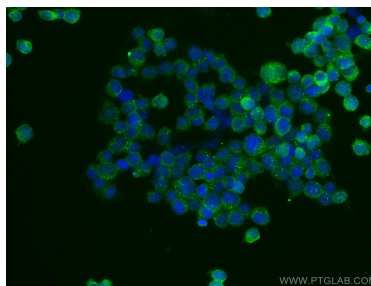
WB result of NDP52 antibody (66401-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDP52 transfected HeLa cells.



HeLa, Jurkat cells and human skeletal muscle tissue lysate were subjected to SDS PAGE followed by western blot with 66401-1-Ig (NDP52 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66401-1-Ig (NDP52 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using NDP52 antibody (66401-1-Ig, Clone: 2F2C2) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L).