

For Research Use Only

NDP52 Monoclonal antibody

Catalog Number: 66401-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number: 66401-1-Ig	GenBank Accession Number: BC015893	Purification Method: Protein A purification
Size: 150ul, Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10241	CloneNo.: 2F2C2
Source: Mouse	UNIPROT ID: Q13137	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: calcium binding and coiled-coil domain 2	
Immunogen Catalog Number: AG2866	Calculated MW: 446 aa, 52 kDa	
	Observed MW: 52 kDa	

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

*** 20ul sizes contain 0.1% BSA

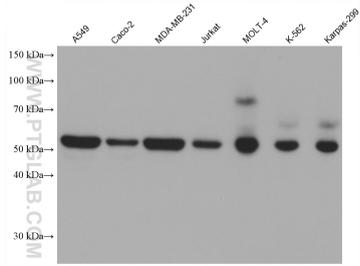
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

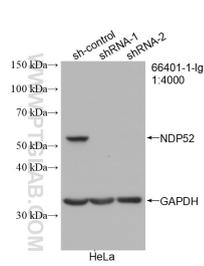
E: proteintech@ptglab.com
W: ptglab.com

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

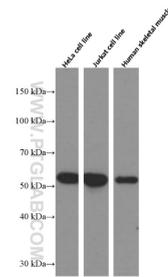
Selected Validation Data



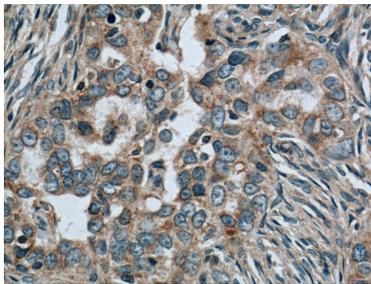
Various lysates were subjected to SDS PAGE followed by western blot with 66401-1-Ig (NDP52 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



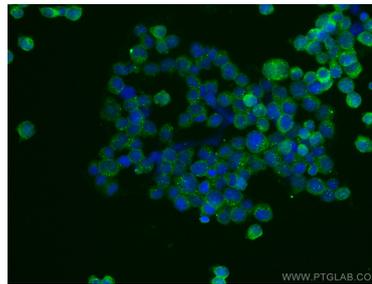
WB result of NDP52 antibody (66401-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDP52 transfected HeLa cells.



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).