

# Product Datasheet

## NDP52 Antibody (422) - Azide and BSA Free NBP2-43696

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-43696**

NDP52 Antibody (422) - Azide and BSA Free

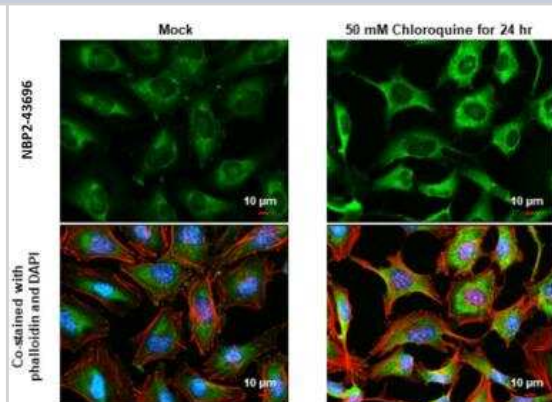
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	422
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse NDP52 Antibody (422) - Azide and BSA Free (NBP2-43696) is a monoclonal antibody validated for use in WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10241
Gene Symbol	CALCOCO2
Species	Human
Immunogen	Recombinant protein encompassing a sequence within the center region of human NDP52. The exact sequence is proprietary.

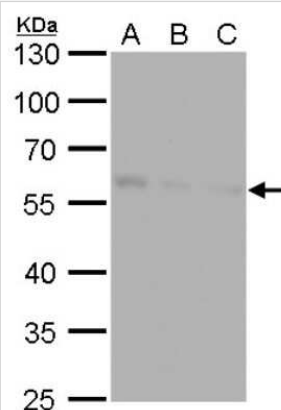
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500

**Images**

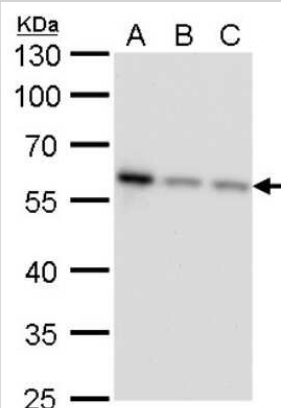
Immunocytochemistry/Immunofluorescence: NDP52 Antibody (422) [NBP2-43696] - NDP52 antibody (422) detects NDP52 protein at autophagosome by immunofluorescent analysis. Sample: Mock and treated HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: NDP52 stained by NDP52 antibody (422) diluted at 1:1000. Red: phalloidin, a cytoskeleton marker, diluted at 1:200. Blue: Fluoroshield with DAPI. Scale bar= 10 um.



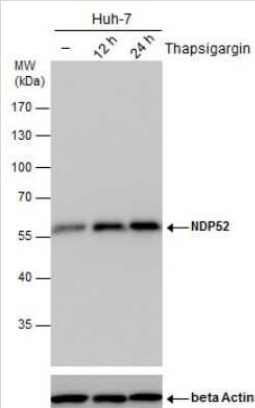
Western Blot: NDP52 Antibody (422) [NBP2-43696] - Analysis of A. 30 ug Huh7 whole cell lysate/extract B. 30 ug Hep3B whole cell lysate/extract C. 30 ug HepG2 whole cell lysate/extract 10 % SDS-PAGE NDP52 antibody [422] dilution: 1:1000



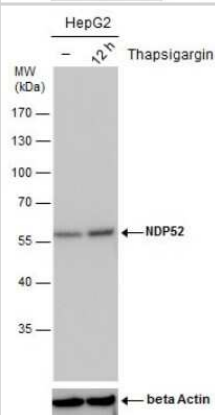
Western Blot: NDP52 Antibody (422) [NBP2-43696] - Analysis of A. 30 ug Jurkat whole cell lysate/extract B. 30 ug Raji whole cell lysate/extract C. 30 ug NCI-H929 whole cell lysate/extract 10 % SDS-PAGE NDP52 antibody [422] dilution: 1:1000.



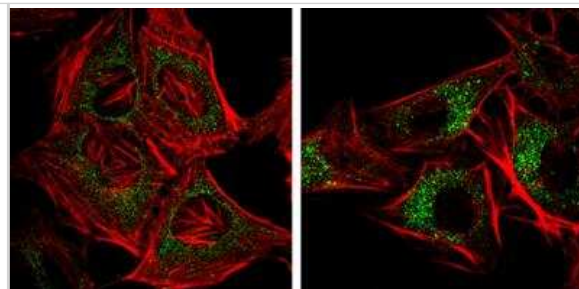
Western Blot: NDP52 Antibody (422) [NBP2-43696] - Analysis of untreated (-) and treated (+), Thapsigargin treatment for 12hrs and 24hrs. Huh-7 whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with NDP52 antibody. ACTB was used as internal control (bottom panel).



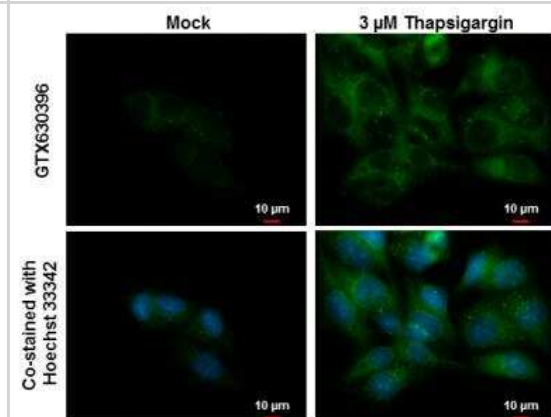
Western Blot: NDP52 Antibody (422) [NBP2-43696] - Analysis of untreated (-) and treated (+), Thapsigargin treatment for 12hrs. HepG2 whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with NDP52 antibody. ACTB was used as internal control (bottom panel).



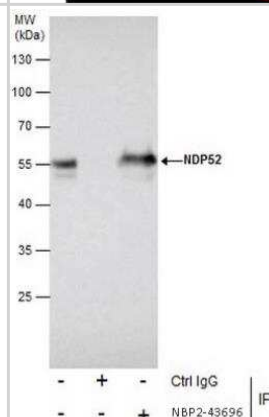
Immunocytochemistry/Immunofluorescence: NDP52 Antibody (422) [NBP2-43696] - Analysis of Samples: HeLa cells mock (left) and treated with 50uM Chloroquine for 24 hr (right) were fixed in 4% paraformaldehyde at RT for 15 min. Green: NDP52 protein stained by NDP52 antibody [422]. Red: Phalloidin, a F-actin marker.



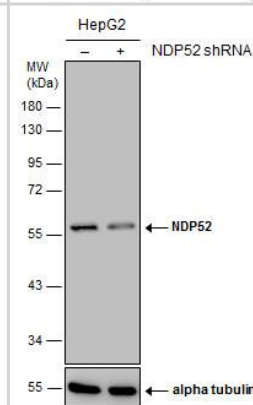
Immunocytochemistry/Immunofluorescence: NDP52 Antibody (422) [NBP2-43696] - Analysis of Samples: HepG2 cells mock (left) and treated with 3 uM Thapsigargin for 16 hrs (right) were fixed in ice-cold MeOH for 10 min and permeabilized with 100% MeOH for 30 sec. Green: NDP52 protein stained by NDP52 antibody [422]. Blue: Hoechst 33342 staining. Scale bar = 10 um.



Immunoprecipitation: NDP52 Antibody (422) [NBP2-43696] - Immunoprecipitation of NDP52 protein from Jurkat whole cell extracts using 5 ug of NDP52 antibody [422]. Western blot analysis was performed using NDP52 antibody [422]. EasyBlot anti-Mouse IgG was used as a secondary reagent.



Non-transfected (-) and transfected (+) HepG2 whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with NDP52 antibody [GT422] (NBP2-43696) diluted at 1:1000.





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### **Products Related to NBP2-43696**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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