

NUP62 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 294 and 522 of nucleoporin p62 (Uniprot ID#P37198)
Form	Liquid
Concentration	0.57 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11153933

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

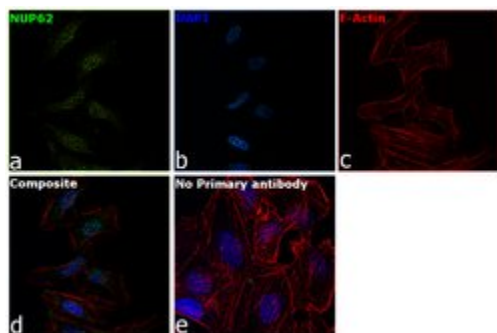
Product Specific Information

Recommended positive controls: A431, H1299, Neuro 2A, GL261, C8D30, NIH-3T3, BCL-1, Raw264.7, C2C12, PC-12, Rat2.

Predicted reactivity: Mouse (95%), Rat (95%), Xenopus laevis (89%), Rhesus Monkey (99%), Bovine (96%).

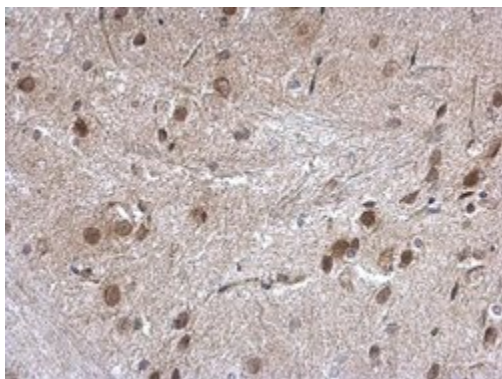
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For NUP62 Polyclonal Antibody



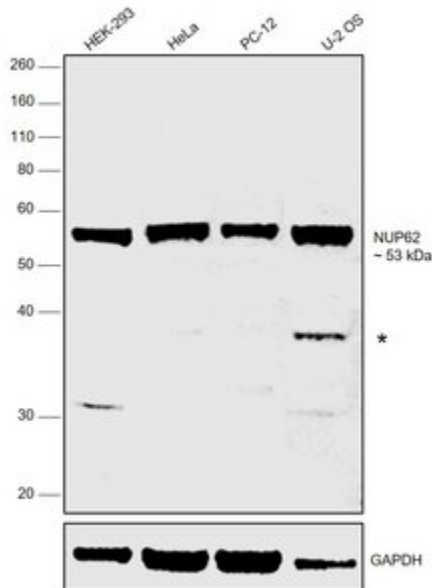
NUP62 Antibody (PA5-21435) in ICC/IF

Immunofluorescence analysis of NUP62 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with NUP62 Polyclonal Antibody (Product # PA5-21435) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing staining in the nucleus. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



NUP62 Antibody (PA5-21435) in IHC (P)

Immunohistochemical analysis of nucleoporin p62 in nuclear envelope of paraffin-embedded mouse fore brain tissue using a nucleoporin p62 polyclonal antibody (Product # PA5-21435).



NUP62 Antibody (PA5-21435) in WB

Western blot was performed using NUP62 Polyclonal Antibody (Product # PA5-21435) and a 53kDa band corresponding to NUP62 was observed across cell lines along with an uncharacterized band (*) at ~35 kDa. Whole cell extracts (30 µg lysate) of HEK-293 (Lane 1), HeLa (Lane 2), PC-12 (Lane 3) and U-2 OS (Lane 4) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

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