

Optineurin Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant full length Human Optineurin.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2720360

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000-1:5,000	-
Immunohistochemistry (IHC)	1:50-1:200	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

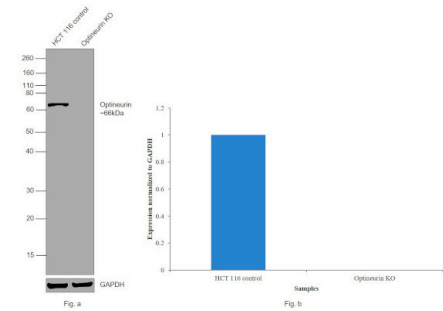
Product Specific Information

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Product Images For Optineurin Polyclonal Antibody

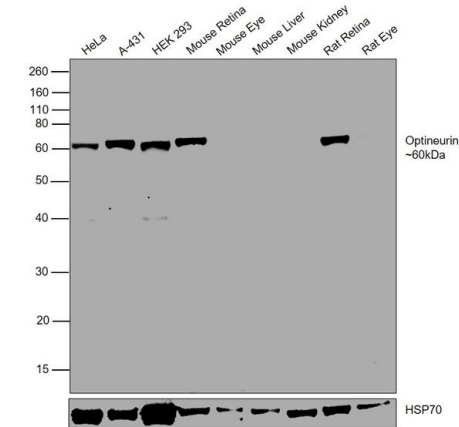
Optineurin Antibody (PA5-76633)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in Optineurin knockout (KO) cell line compared to control cell line using Optineurin Polyclonal Antibody (Product # PA5-76633). {KO}



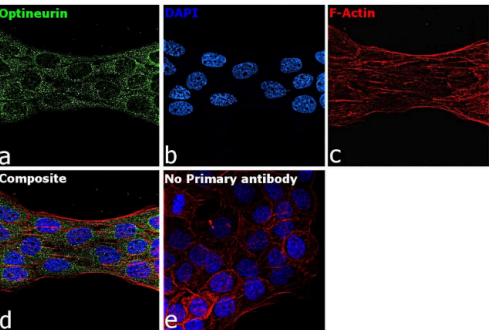
Optineurin Antibody (PA5-76633) in WB

Western blot was performed using Anti-Optineurin Polyclonal Antibody(Product # PA5-76633) and a 60kDa band corresponding to Optineurin was observed across in all tested cell lines and tissues, except Mouse Eye, Mouse Liver, Mouse Kidney and Rat Eye. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), A-431 (Lane 2), HEK-293 (Lane 3), Mouse Retina (Lane 4), Mouse Eye (Lane 5), Mouse Liver (Lane 6), Mouse Kidney (Lane 7), Rat Retina (Lane 8), Rat Eye (Lane 9) 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) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Optineurin Antibody (PA5-76633) in ICC/IF

Immunofluorescence analysis of Optineurin was performed using 70 percent confluent log phase A-431 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 45 minutes at room temperature. The cells were labeled with Optineurin Polyclonal Antibody (Product # PA5-76633) at 5 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731), (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 cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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