

# CHP1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Non-human primate, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 195 of Human Calcium binding protein P22
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 20% 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_2547350

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

Recommended positive controls: HeLa, HepG2, mouse liver, rat liver.

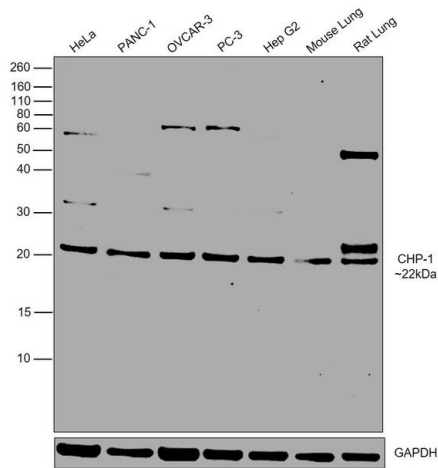
Predicted reactivity: Mouse (98%), Rat (98%), Zebrafish (90%), Xenopus laevis (94%), Chicken (96%), Rhesus Monkey (100%), Bovine (99%).

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

Product Images For CHP1 Polyclonal Antibody

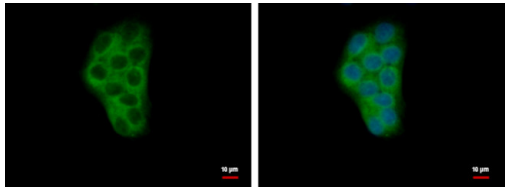
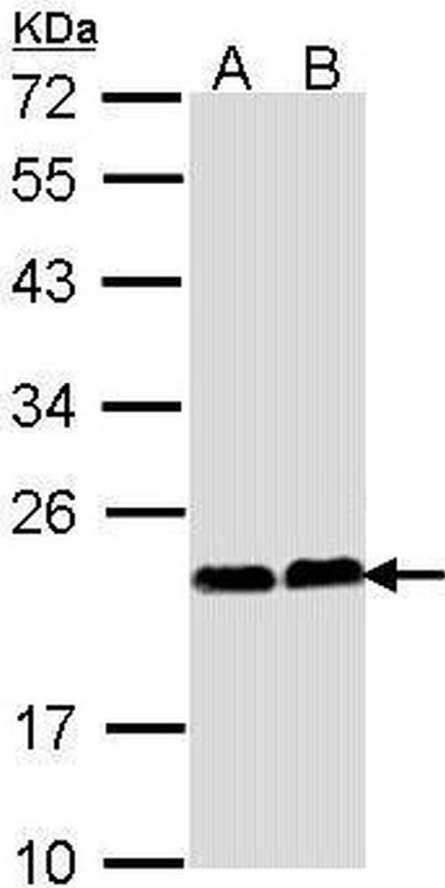
CHP1 Antibody (PA5-29876) in WB

Western blot was performed using Anti-CHP1 Polyclonal Antibody (Product # PA5-29876) and a 22 kDa band corresponding to CHP-1 was observed in all the tested cell lines. Whole cell lysates (30 µg lysate) of HeLa (Lane 1), PANC-1 (Lane 2), OVCAR-3 (Lane 3), PC-3 (Lane 4), Hep G2 (Lane 5), tissue lysates (30 µg lysates) of Mouse lung (Lane 6) and Rat Lung (Lane 7) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blots were probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), 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).



CHP1 Antibody (PA5-29876) in WB

Western Blot using CHP1 Polyclonal Antibody (Product # PA5-29876). Sample (30 µg of whole cell lysate). Lane A: HeLa. Lane B: HepG2. 12% SDS PAGE. CHP1 Polyclonal Antibody (Product # PA5-29876) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



CHP1 Antibody (PA5-29876) in ICC/IF

CHP1 Polyclonal Antibody detects Calcium binding protein P22 protein at cytoplasm by immunofluorescent analysis. Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Calcium binding protein P22 protein stained by CHP1 Polyclonal Antibody (Product # PA5-29876) diluted at 1:500. Blue: Hoechst 33342 staining.

View more figures on [thermofisher.com](https://thermofisher.com)

Western Blot (2)

<p>Frontiers in neuroscience</p> <p><b>PLS3 Overexpression Delays Ataxia in <i>Chp1</i> Mutant Mice.</b></p> <p>"PA5-29876 was used in Western Blotting to determine whether PLS3 is a cross-disease modifier for ataxia caused by Chp1 mutation in mice."</p> <p>Authors: Janzen E,Wolff L,Mendoza-Ferreira N,Hupperich K,Delle Vedove A,Hosseinibarkooie S,Kye MJ,Wirth B</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Mouse</p>
<p>Nature</p> <p><b>An orthogonal proteomic survey uncovers novel Zika virus host factors.</b></p> <p>"PA5-29876 was used in Western Blot to use human neural progenitor cells and the neuronal cell line SK-N-BE2 in an integrated proteomics approach to characterize the cellular responses to viral infection at the proteome and phosphoproteome level, and use affinity proteomics to identify cellular targets of ZIKV proteins."</p> <p>Authors: Scaturro P,Stukalov A,Haas DA,Cortese M,Draganova K,Paszczyc A,Bartenschlager R,Götz M,Pichlmair A</p>	<p>Year</p> <p>2018</p> <p>Species</p> <p>Human Non-human primate</p> <p>Dilution</p> <p>1:500 1:500</p>

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