

# Parkin Recombinant Polyclonal Antibody (21HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	21HCLC
Conjugate	Unconjugated
Immunogen	Protein corresponding to human Parkin (aa1-aa465)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2716914

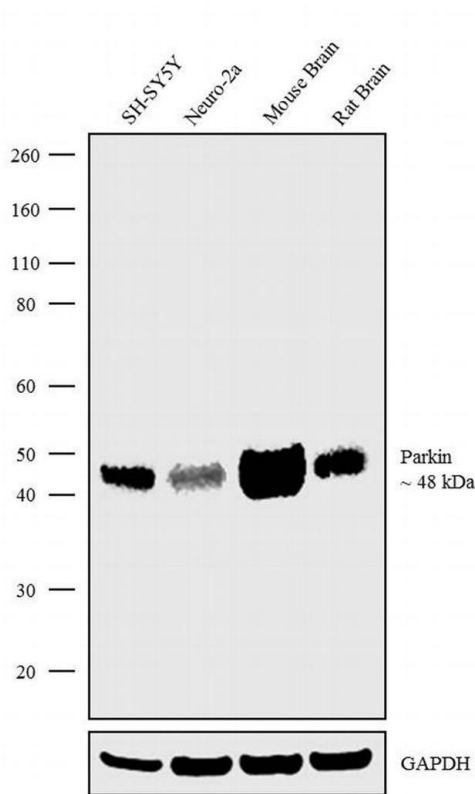
Applications	Tested Dilution	Publications
Western Blot (WB)	2.5 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-

## Product Specific Information

This antibody predicted to react with Monkey, Rat, Pig, Mouse

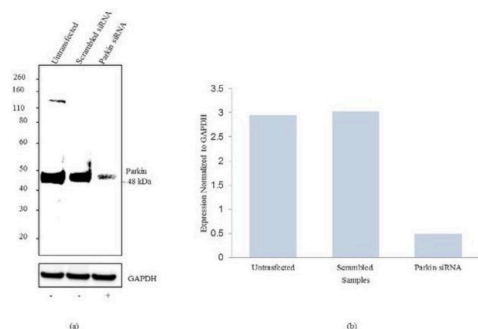
Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

## Product Images For Parkin Recombinant Polyclonal Antibody (21HCLC)



### Parkin Antibody (711820) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of SH-SY5Y (Lane 1), Neuro-2a (Lane 2) and tissue extracts of Mouse Brain (Lane 3) and Rat Brain (Lane 4). The blots were probed with Anti-Parkin Recombinant Rabbit Polyclonal Antibody (Product # 711820, 2.5 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 48 kDa band corresponding to Parkin was observed across the cell lines and tissues tested. Known quantity of protein samples were electrophoresed using Novex®NuPAGE®4-12% Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).

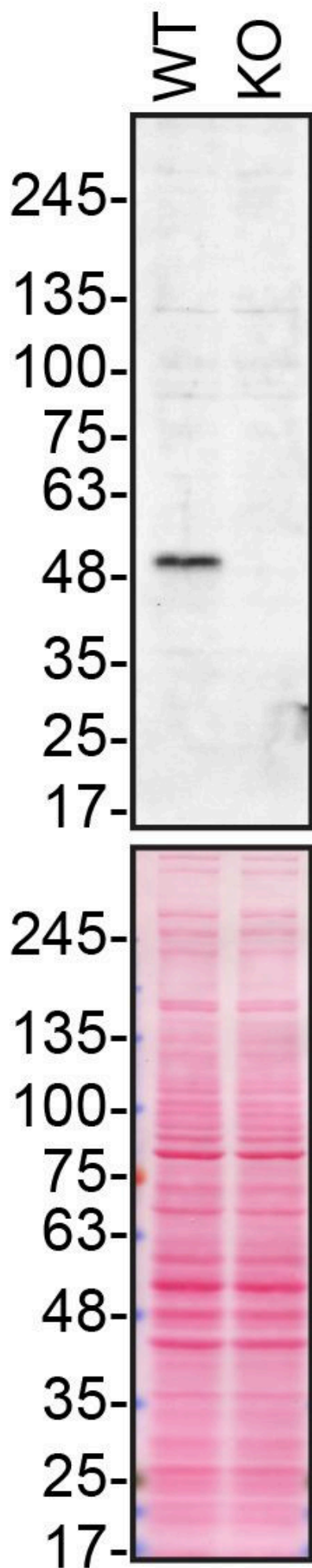


### Parkin Antibody (711820)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. SH-SY5Y cells were transfected with Parkin siRNA and decrease in signal intensity was observed in Western blot application using Anti-Parkin Recombinant Rabbit Polyclonal Antibody (Product # 711820). {KD}

### Parkin Antibody (711820)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. Loss of signal was observed for target protein in PRKN knockout (KO) cell line using Anti-Parkin recombinant polyclonal antibody (Product # 711820). Ponceau stained transfer shown below. Data courtesy of YCharOS Inc., an open science company with the mission of characterizing commercially available antibodies using knockout validation. {KO}



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