

Sortilin Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 800 to the C-terminus of Human Sortilin.
Form	Liquid
Concentration	0.7 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.02% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_10986596

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	1 Publication

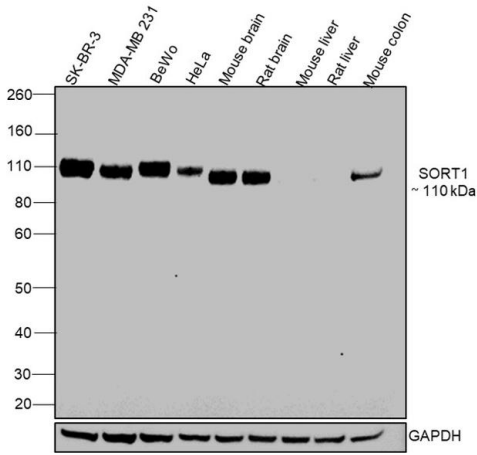
Product Specific Information

PA5-19481 targets Sortilin in flow cytometry, immunoprecipitation, immunocytochemistry, immunofluorescence, immunohistochemistry (frozen), and Western blot applications and shows reactivity with Human, mouse, Cow, and Rat samples.

The PA5-19481 immunogen is synthetic peptide conjugated to KLH derived from within residues 800 to the C-terminus of Human Sortilin.

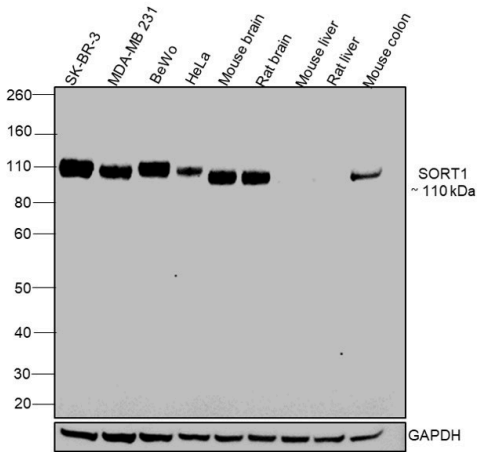
PA5-19481 detects Sortilin which has a predicted molecular weight of approximately ~100 kDa.

Product Images For Sortilin Polyclonal Antibody



Sortilin Antibody (PA5-19481) in WB

Western blot was performed using Sortilin Polyclonal Antibody (Product # PA5-19481) and a 110kDa band corresponding to SORT1 was observed across all cell lines and tissues tested except Mouse and Rat liver. Whole cell extracts (30 µg lysate) of SK-BR-3 (Lane 1), MDA-MB-231 (Lane 2), BeWo (Lane 3), HeLa (Lane 4), Mouse brain (Lane 5), Rat brain (Lane 6), Mouse liver (Lane 7), Rat liver (Lane 8), and Mouse colon (Lane 9) were electrophoresed using NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). 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 (1µg/mL) 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).



Sortilin Antibody (PA5-19481)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Higher expression of SORT1 was observed in Mouse brain and Rat brain as compared to Mouse liver and Rat liver using Sortilin Polyclonal Antibody (Product # PA5-19481) in western blot. {RE}

1 Reference

Western Blot (1)

The international journal of neuropsychopharmacology	Year
Selective Activation of Striatal NGF-TrkA/p75NTR/MAPK Intracellular Signaling in Rats That Show Suppression of Methamphetamine Intake 30 Days following Drug Abstinence.	2018
"PA5-19481 was used in Western Blotting to investigate transcriptional and translational alterations in the expression of neurotrophic factors in the rat striatum at 30 days following methamphetamine self-administration and footshock punishment."	Species
Authors: Torres OV,Jayanthi S,McCoy MT,Cadet JL	Rat

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