

Datasheet for 212-901-E11**Peripherin Antibody****Overview**

Description:	Anti-Peripherin (Chicken) Antibody - 212-901-E11
Item No.:	212-901-E11
Size:	100 µL
Applications:	IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	Peripherin Antibody detects Peripherin. Peripherin is a ~57kDa intermediate filament subunit found initially in sensory neurons of the peripheral nervous systems, which gives the protein its name. Subsequently, peripherin was found in some sensory and other neurons of the central nervous system and also in PC12 cells. Peripherin is also expressed in certain neuroendocrine tumors and in the insulin producing cells of the pancreas. Peripherin belongs to the Class III family of intermediate filament subunits which also includes vimentin, glial fibrillary acidic protein (GFAP) and desmin. In contrast to the neurofilaments, peripherin is strongly up-regulated after nerve injury. Antibodies to peripherin can be used in identifying, classifying, and studying neurons throughout the nervous system. Peripherin is also a good diagnostic marker for ballooned axons seen in Lou Gehrig's disease (Amyotrophic lateral sclerosis) and some neuronally derived tumors. Autoantibodies to peripherin are frequently seen in the sera of patients with diabetes. Peripherin is not related to peripherin/RDS, a protein of the photoreceptor outer membrane mutations of which are causative of certain forms of slow retinal degeneration. Anti-Peripherin Antibody is ideal for investigators involved in Neuroscience and Cancer research
Synonyms:	NEF4, PRPH1, Nervous system antibodies, Peripherin, prph, prph1 antibody, monoclonal anti-peripherin, anti-peripherin antibody produced in chicken, chicken anti-peripherin antibody
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	Prph
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-Peripherin Antibody was produced by repeated immunizations with a recombinant rat peripherin expressed in E. coli.
Purity/Specificity:	Anti-Peripherin antibody is directed against rat Peripherin. This antibody is a total IgY fraction. Reactivity is expected from the following species based on 100% sequence homology: many mammalian. Cross reactivity with Peripherin from other species is not known.
Relevant Links:	• UniProtKB - P21807 • GenelD - 3414 • UniProtKB - P21807.1

Application Details

Tested Applications:	IF, WB
Application Note:	Anti-Peripherin Antibody is tested for use in Western Blotting and IF. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 57 kDa in size corresponding to peripherin proteins in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1:500
WB:	1:1000

Formulation

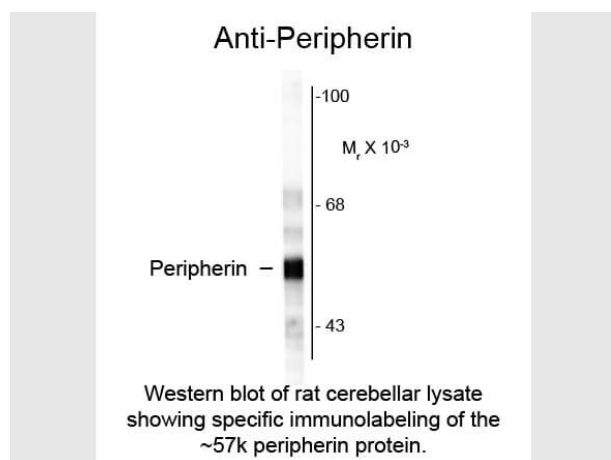
Physical State:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Chicken anti-Peripherin antibody. Lane 1: rat cerebellar lysate. Lane 2: none. Load: 10 µg per lane. Primary antibody: Peripherin antibody at 1:1,000 for overnight at 4°C. Secondary antibody: IRDye800™ chicken secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 57 kDa for Peripherin. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.