

Anti-Peripherin Antibody

Our Anti-Peripherin primary antibody from PhosphoSolutions is chicken polyclonal. It detects bovine
Catalog # AN1517

Product Information

Application	WB, IHC, ICC
Primary Accession	P21807
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	53550

Additional Information

Other Names	NEF 4 antibody, NEF4 antibody, Neurofilament 4 (57kD) antibody, Neurofilament 4 antibody, Perf antibody, PERI_HUMAN antibody, Peripherin antibody, PRPH 1 antibody, prph antibody, PRPH1 antibody
Target/Specificity	Peripherin is a ~57 kDa 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 (1). 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 (2). Autoantibodies to peripherin are frequently seen in the sera of patients with diabetes (3). 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.
Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Format	Total IgY fraction
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Peripherin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.