

# Anti-Peripherin Antibody

Our Anti-Peripherin primary antibody from PhosphoSolutions is mouse monoclonal. It detects mouse and  
Catalog # AN1516

## Product Information

<b>Application</b>	WB, IHC, ICC
<b>Primary Accession</b>	<a href="#">P21807</a>
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone Names</b>	7C5
<b>Calculated MW</b>	53550

## Additional Information

<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
<b>Format</b>	Concentrated tissue culture supernatant
<b>Storage</b>	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.
<b>Precautions</b>	Anti-Peripherin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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