

34-1103: Polyclonal Antibody to Peripherin

Clonality :	Polyclonal
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse, Pig, Cow
Gene :	PRPH
Gene ID :	5630
Uniprot ID :	P41219
Format :	Conc. IgY prep.
Alternative Name :	Neurofilament 4
Isotype :	Chicken, IgY
Immunogen Information :	Recombinant rat peripherin expressed in and purified from E. coli

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of concentrated IgY prep.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:20,000. IF/ICC and IHC: 1:2,000.

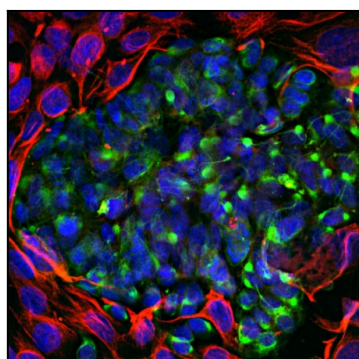


Figure-1: Immunofluorescent analysis of mixed fibroblast and PC12 pheochromocytoma cell culture stained with chicken pAb to peripherin,(34-1103), dilution 1:5,000 in green, and costained with rabbit pAb to vimentin,(34-1129), dilution 1:2,000, in red. The blue is DAPI staining of nuclear DNA. (34-1103) antibody reveals cytoplasmic filamentous staining in the small PC12 cells, while vimentin antibody stains intermediate filaments in the surrounding fibroblastic cells which do not express peripherin.

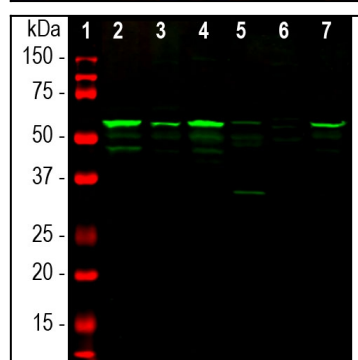


Figure-2: Western blot analysis of spinal cord tissue lysates (lanes 2-5) and cell lysates (lanes 6 and 7) using chicken pAb to peripherin,(34-1103), dilution 1:10,000 in green: [1] protein standard (red), [2] rat, [3] mouse, [4] pig, [5] cow spinal cord; [6] SH-SY5Y, and [7] PC12 cells. The band at ~57kDa corresponds to the peripherin protein.