

Product datasheet for **CF806181**

Peripherin (PRPH) Mouse Monoclonal Antibody [Clone ID: OTI3F4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F4
Applications:	ELISA
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PRPH (NP_006253) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	53.5 kDa
Gene Name:	peripherin
Database Link:	NP_006253 Entrez Gene 5630 Human P41219



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Background:

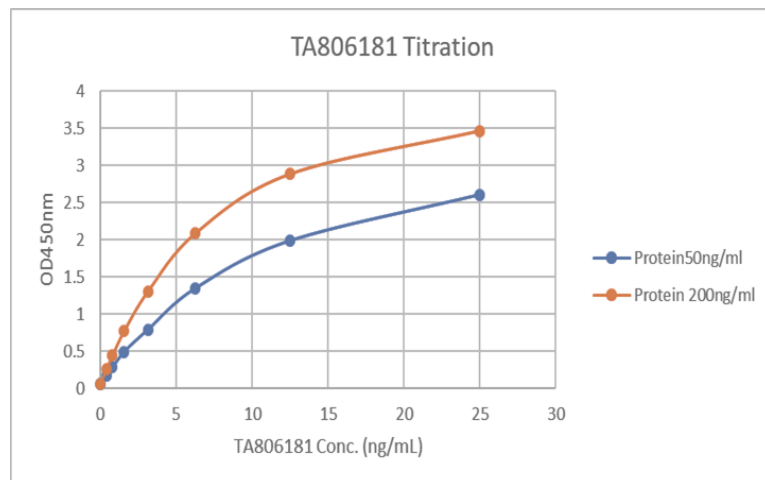
This gene encodes a cytoskeletal protein found in neurons of the peripheral nervous system. The encoded protein is a type III intermediate filament protein with homology to other cytoskeletal proteins such as desmin, and is a different protein than the peripherin found in photoreceptors. Mutations in this gene have been associated with susceptibility to amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008]

Synonyms:

NEF4; PRPH1

Protein Pathways:

Amyotrophic lateral sclerosis (ALS)

Product images:

The wells in ELISA plate were coated with recombinant human PRPH protein (50ng/ml or 200ng/ml). After blocking with 1%BSA, the PRPH protein in the coated plate is then reacted with PRPH antibody ([TA806181]). Subsequently, secondary antibody (goat anti-mouse IgG-HRP conjugate) is then added. After wash, specifically bound enzyme conjugate is detected by reaction with substrate TMB. Absorbance values at 450 nm were measured using a microplate reader.