PP1C Conjugated Monoclonal Antibody

Catalog No: #C27177

Package Size: #C27177-AF350 100ul #C27177-AF405 100ul #C27177-AF488 100ul #C27177-AF555 100ul #C27177-AF594 100ul #C27177-AF647 100ul #C27177-AF680 100ul #C27177-AF750 100ul #C27177-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PP1C Conjugated Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of PPP1CC and does not cross-react with related proteins.
Immunogen Description	Purified recombinant human PPP1CC protein fragments expressed in E.coli.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EC 3.1.3.16; PP 1G; PP-1G; PP1G; PP1G_HUMAN; PP1gamma; PPP 1G; PPP1CC; PPP1CC protein; PPP1G; Protein phosphatase 1 catalytic subunit gamma isoform; Protein phosphatase 1C catalytic subunit; Protein phosphatase 1C subunit
Accession No.	Swiss-Prot#: P36873NCBI Gene ID:5501
Uniprot	P36873
GeneID	5501;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Protein phosphatase that associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets.Protein phosphatase 1(PP1)is essential for cell division,and participates in the regulation of glycogen metabolism,muscle contractility and protein synthesis.Dephosphorylates RPS6KB1.Involved in regulation of ionic conductances and long-term synaptic plasticity.May play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca2+/calmodulin dependent protein kinase II.Component of the PTW/PP1 phosphatase complex,which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase.

Note: This product is for in vitro research use only