PTGS1 Conjugated Antibody

Catalog No: #C36800

Package Size: #C36800-AF350 100ul #C36800-AF405 100ul #C36800-AF488 100ul #C36800-AF555 100ul #C36800-AF594 100ul #C36800-AF647 100ul #C36800-AF680 100ul #C36800-AF750 100ul #C36800-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PTGS1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PTGS1 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	COX1, COX3, PHS1, PCOX1, PES-1, PGHS1, PTGHS, PGG/HS, PGHS-1
Accession No.	Swiss-Prot#:P23219NCBI Gene ID:5742NCBI Protein#:NP_000953
Uniprot	P23219
GeneID	5742;
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

Cyclooxygenase-1 (COX-1), also known as prostaglandin G/H synthase 1, prostaglandin-endoperoxide synthase 1 or prostaglandin H2 synthase 1, is an enzyme that in humans is encoded by the PTGS1 gene. This is one of two genes encoding similar enzymes that catalyze the conversion of arachinodate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. The protein may promote cell proliferation during tumor progression. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only