Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase Polyclonal Conjugated Antibody

Catalog No: #C42631

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Package Size: #C42631-AF350 100ul #C42631-AF405 100ul #C42631-AF488 100ul #C42631-AF555 100ul #C42631-AF594 100ul #C42631-AF647 100ul #C42631-AF680 100ul #C42631-AF750 100ul #C42631-Biotin 100ul

Description

Product Name	Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Bacillus subtilis
Specificity	The antibody detects endogenous level of total Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase polyclonal antibody.
Immunogen Description	Recombinant Bacillus subtilis Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	iolG, Myo-inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase iolG idh BSU39700 E83G
Accession No.	Swiss-Prot#:P26935
Uniprot	P26935
GeneID	937615;
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
Calculated MW	38
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

Involved in the oxidation of myo-inositol (MI) and D-chiro-inositol (DCI) to 2-keto-myo-inositol (2KMI or 2-inosose) and 1-keto-D-chiro-inositol (1KDCI), respectively. Can also use D-glucose and D-xylose, and shows a trace of activity with D-ribose and D-fructose.

Note: This product is for in vitro research use only