

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

Catalog No: #42631

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

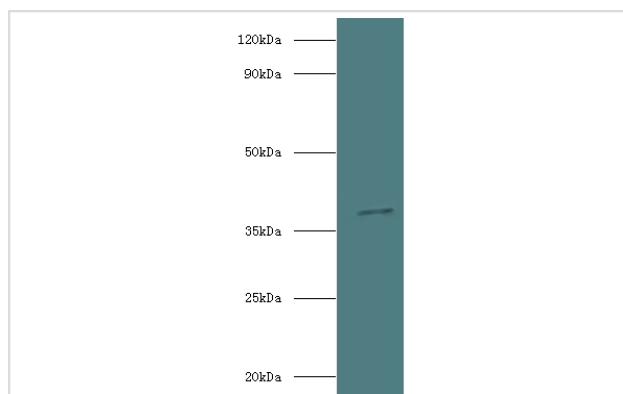
Description

Product Name	Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Bacillus subtilis
Specificity	The antibody detects endogenous level of total Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant Bacillus subtilis Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase protein
Target Name	Inositol 2-dehydrogenase/D-chiro-inositol 3-dehydrogenase
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;
Calculated MW	38kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:1000

Images



All lanes: Inositol 2-dehydrogenase/D-chiro-inositol
3-dehydrogenase antibody at 2ug/ml + recombinant Inositol
2-dehydrogenase/D-chiro-inositol 3-dehydrogenase protein
0.1ug

Secondary
Goat polyclonal to Rabbit IgG at 1/10000 dilution
Predicted band size: 38kDa
Observed band size: 38kDa

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.

References

[1]"Bacillus subtilis inositol dehydrogenase-encoding gene (idh): sequence and expression in Escherichia coli."Fujita Y., Shindo K., Miwa Y., Yoshida K.Gene 108:121-125(1991)[2]"Cloning and nucleotide sequencing of a 15 kb region of th

Note: This product is for in vitro research use only