DECR2 Conjugated Antibody

Catalog No: #C43885

Package Size: #C43885-AF350 100ul #C43885-AF405 100ul #C43885-AF488 100ul #C43885-AF555 100ul #C43885-AF594 100ul #C43885-AF647 100ul #C43885-AF680 100ul #C43885-AF750 100ul #C43885-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	DECR2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DECR2 protein.
Immunogen Description	Fusion protein of human DECR2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PDCR;SDR17C1
Accession No.	Swiss-Prot#:Q9NUI1NCBI Gene ID:26063NCBI mRNA#:NCBI Protein#:BC011968
Uniprot	Q9NUI1
GeneID	26063;
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	31
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°Cin 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

DECR2 (2,4-dienoyl-CoA reductase 2), also known as PDCR (peroxisomal 2,4-dienoyl-CoA reductase) or SDR17C1, is a 292 amino acid member of the short-chain dehydrogenases/reductases (SDR) protein family and the 2,4-dienoyl-CoA reductase protein subfamily. Localized to the peroxisome, DECR2 is an auxiliary enzyme of beta-oxidation that catalyzes the NADP-dependent reduction of 2,4-dienoyl-CoA to yield trans-3-enoyl-CoA. DECR2 has also been shown to have catalytic activity towards 2,4,7,10,13,16,19-docosaheptaenoyl-CoA and short and medium chain 2,4-dienoyl-CoAs, suggesting that DECR2 is not a rate limiting step in the degradation of docosahexaenoic acid in the peroxisome. DECR2 is expressed as three isoforms produced by alternative splicing events.

Note: This product is for in vitro research use only