Recombinant DGRmAb®

IDH1 (DGR15229) Rabbit mAb (PBS Only)

db11338-PBS **Package : 100μg**

Product Name : IDH1 (DGR15229) Rabbit mAb (PBS Only)
Cat.No.: db11338-PBS
Synonyms : IDH; IDP; IDCD; IDPC; PICD; HEL-216; HEL-S-26
Application : WB, IHC-P, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes. It contains the PTS-1 peroxisomal targeting signal sequence. The presence of this enzyme in peroxisomes suggests roles in the regeneration of NADPH for intraperoxisomal reductions, such as the conversion of 2, 4-dienoyl-CoAs to 3-enoyl-CoAs, as well as in peroxisomal reactions that consume 2-oxoglutarate, namely the alpha-hydroxylation of phytanic acid. The cytoplasmic enzyme serves a significant role in cytoplasmic NADPH production. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2013]
Immunogen	A synthetic peptide of human IDH1
Gene ID	3417, 15926, 24479
Swiss Prot	O75874, O88844, P41562
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Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, FC, IP
Recommended dilution	WB: 1:1000 IHC-P: 1:200-1:1000 FC: 1:20-1:50 IP: 1:20-1:50

Calculated MW	47 kDa
Observed MW	47 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR15229
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.