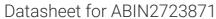
antibodies -online.com





IDH3G Protein (His tag)





Overview

Overview	
Quantity:	50 μg
Target:	IDH3G
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IDH3G protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human Isocitric dehydrogenase gamma / IDH3G (full length, N-term HIS tag, transcript variant 1) protein expressed in E.coli. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	IDH3G
Alternative Name:	Isocitric Dehydrogenase Gamma,idh3g (IDH3G Products)
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. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the gamma subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase. This gene is a candidate gene for periventricular heterotopia. Several alternatively spliced transcript variants of this gene have been described, but only some of their full length natures have been determined.

Molecular Weight:

38.8 kDa

NCBI Accession:

NP 004126

Application Details

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production

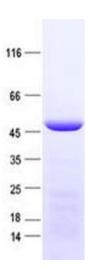
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the N-terminal.

Restrictions: For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot