

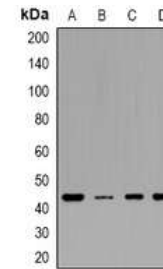
Anti-IDH3 gamma Antibody

CATALOG NO:	A1225-100
ALTERNATIVE NAMES:	Isocitrate dehydrogenase [NAD] subunit gamma mitochondrial; Isocitric dehydrogenase subunit gamma; NAD(+)-specific ICDH subunit gamma
AMOUNT:	100 µl
IMMUNOGEN:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IDH3 gamma
HOST/ISOTYPE:	Rabbit IgG
CLONALITY:	Polyclonal
SPECIFICITY:	Recognizes endogenous levels of IDH3 gamma protein
SPECIES REACTIVITY:	Human, Mouse and Rat
PURIFICATION:	The antibody was purified by affinity chromatography
FORM:	Liquid
FORMULATION:	Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
STORAGE CONDITIONS:	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

DESCRIPTION: 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

APPLICATION: WB; 1:500 – 1:2000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis of IDH3 gamma expression in HEK293T (A); MCF7 (B); mouse heart (C); rat heart (D) whole cell lysates

RELATED PRODUCTS:

- PPAR gamma Antibody (**Cat. No. 3809-100**)
- DNMT1 Antibody (**Cat. No. 3946-100**)
- KLF4 Antibody (4G6E11) (**Cat. No. 5300-100**)
- NIF1 Antibody (**Cat. No. 3737-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.