

Anti-IDH3 gamma Antibody

Rabbit polyclonal antibody to IDH3 gamma Catalog # AP60838

Specification

Anti-IDH3 gamma Antibody - Product Information

Application WB
Primary Accession P51553

Reactivity Human, Mouse, Rat, Monkey

Host Rabbit
Clonality Polyclonal
Calculated MW 42794

Anti-IDH3 gamma Antibody - Additional Information

Gene ID 3421

Other Names

Isocitrate dehydrogenase [NAD] subunit gamma mitochondrial; Isocitric dehydrogenase subunit gamma; NAD(+)-specific ICDH subunit gamma

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IDH3 gamma. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/2000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-IDH3 gamma Antibody - Protein Information

Name IDH3G

Function

Regulatory subunit which plays a role in the allosteric regulation of the enzyme catalyzing the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.

Cellular Location



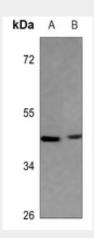
Mitochondrion.

Anti-IDH3 gamma Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-IDH3 gamma Antibody - Images



Western blot analysis of IDH3 gamma expression in mouse heart (A), rat heart (B) whole cell lysates.

Anti-IDH3 gamma Antibody - Background

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