

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

Recognizes endogenous levels of IDH3 gamma protein.

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

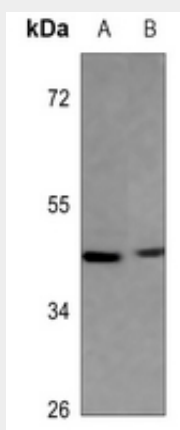
Mitochondrion.

Anti-IDH3 gamma Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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

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