10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-IDH3 gamma Antibody

Catalog # ABV11956

Specification

Anti-IDH3 gamma Antibody - Product Information

Application	**WB**
Primary Accession	P51553
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Isotype	**Rabbit IgG**
Calculated MW	**42794**

Anti-IDH3 gamma Antibody - Additional Information

Gene ID 3421

Positive Control	**WB: MCF7, mouse heart, rat heart lysate**
Application & Usage	**WB; 1:500 – 1:2000**

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

Target/Specificity
IDH3G

Antibody Form
Liquid

Appearance
Colorless liquid

Handling
The antibody solution should be gently mixed before use

Reconstitution & Storage
-20°C

Background Descriptions

Precautions
Anti-IDH3 gamma Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-IDH3 gamma Antibody - Protein Information

Name IDH3G

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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.

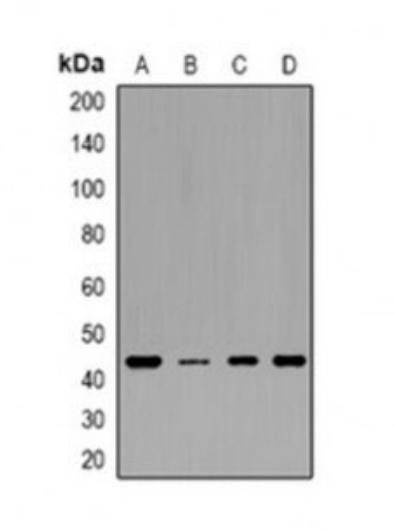
Cellular Location
Mitochondrion.

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 Cytomety
- Cell Culture

Anti-IDH3 gamma Antibody - Images



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