

**Anti-IDH3 gamma Antibody**  
**Catalog # ABV11956****Specification**

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**Anti-IDH3 gamma Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P51553</a>
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

**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.

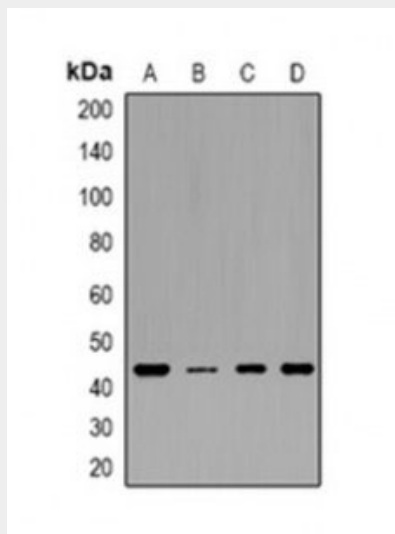
**Cellular Location**

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**

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