

# Anti-IDH3 gamma Antibody

Rabbit polyclonal antibody to IDH3 gamma  
Catalog # AP60838

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P51553</a>
<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	42794

## Additional Information

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<b>Gene ID</b>	3421
<b>Other Names</b>	Isocitrate dehydrogenase [NAD] subunit gamma mitochondrial; Isocitric dehydrogenase subunit gamma; NAD(+)-specific ICDH subunit gamma
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IDH3 gamma. The exact sequence is proprietary.
<b>Dilution</b>	WB~~WB (1/500 - 1/2000)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	IDH3G
<b>Function</b>	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.
<b>Cellular Location</b>	Mitochondrion. Photoreceptor inner segment

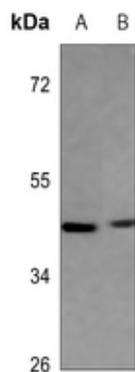
## Background

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

## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.