

## Product datasheet for **TA331330**

### IDH3B Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-IDH3B antibody is: synthetic peptide directed towards the N-terminal region of Human IDH3B. Synthetic peptide located within the following region: RIAKFAFDYATKKGRGKVTAVHKANIMKLGDGLFLQCCEEVAELYPKIKF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	25 kDa
Gene Name:	isocitrate dehydrogenase 3 (NAD(+)) beta
Database Link:	<a href="#">NP_008830</a> <a href="#">Entrez Gene 3420 Human</a> <a href="#">O43837</a>



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**Background:**

Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. NAD(+)-dependent isocitrate dehydrogenases catalyze the allosterically regulated rate-limiting step of the tricarboxylic acid cycle. Each isozyme is a heterotetramer that is composed of two alpha subunits, one beta subunit, and one gamma subunit. The protein encoded by this gene is the beta subunit of one isozyme of NAD(+)-dependent isocitrate dehydrogenase.

**Synonyms:**

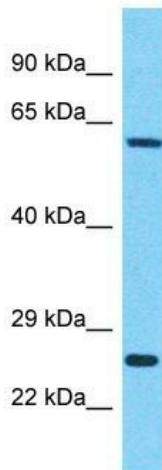
RP46

**Note:**

Dog: 100%; Human: 100%; Bovine: 100%; Pig: 93%; Rat: 93%; Horse: 93%; Mouse: 93%; Rabbit: 93%; Zebrafish: 93%; Guinea pig: 93%

**Protein Pathways:**

Citrate cycle (TCA cycle), Metabolic pathways

**Product images:**

Host: Rabbit  
Target Name: IDH3B  
Sample Tissue: HepG2 Cell Lysate  
Antibody Dilution: 1.0µg/ml

Host: Rabbit; Target Name: IDH3B; Sample Tissue: HepG2 Whole Cell lysates; Antibody Dilution: 1.0ug/ml