

Product datasheet for **TA331329**

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: SEVQNMASEEKLEQVLSSMKENKVAIIGKIHTPMEYKGELASYDMRLRRK
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:	42 kDa
Gene Name:	isocitrate dehydrogenase 3 (NAD(+)) beta
Database Link:	NP_008830 Entrez Gene 3420 Human O43837



[View online »](#)

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:

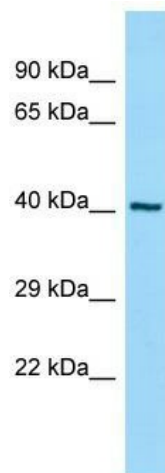
RP46

Note:

Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

Protein Pathways:

Citrate cycle (TCA cycle), Metabolic pathways

Product images:

WB Suggested Anti-IDH3B Antibody; Titration: 1.0 ug/ml; Positive Control: HeLa Whole Cell IDH3B is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells