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Product datasheet for TA346571

IDH2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-IDH2 antibody: synthetic peptide directed towards the middle region of human IDH2. Synthetic peptide located within the following region: GGTVFREPIICKNIPRLVPGWTKPITIGRHAHGDQYKATDFVADRAGTFK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47 kDa
Gene Name:	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial
Database Link:	NP_002159 Entrez Gene 269951 MouseEntrez Gene 361596 RatEntrez Gene 3418 Human P48735

View online »

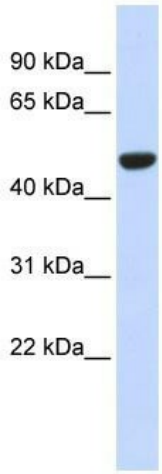
Background: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Synonyms: D2HGA2; ICD-M; IDH; IDHM; IDP; IDPM; mNADP-IDH

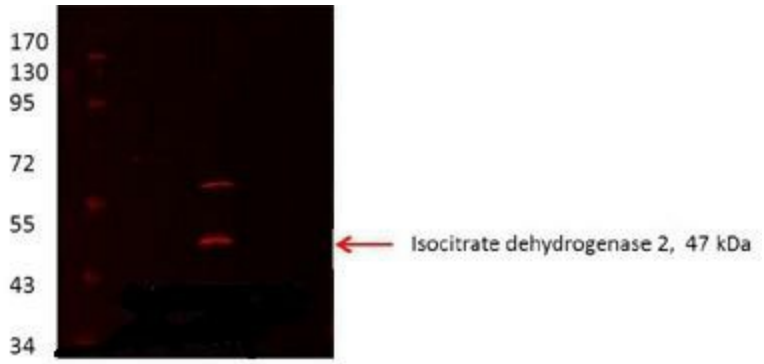
Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Yeast: 93%

Protein Pathways: Citrate cycle (TCA cycle), Glutathione metabolism, Metabolic pathways

Product images:



WB Suggested Anti-IDH2 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 12500; Positive Control: Human Muscle



IDH2 antibody - middle region validated by WB using Proximal kidney tubules purfied from cortex at 1: 1000.