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Product datasheet for TA308664

IDH2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Rhesus Monkey)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 56 and 345 of IDH2 (Uniprot ID#P48735)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	isocitrate dehydrogenase (NADP(+)) 2, mitochondrial
Database Link:	NP_002159 Entrez Gene 269951 MouseEntrez Gene 3418 Human P48735

View online »

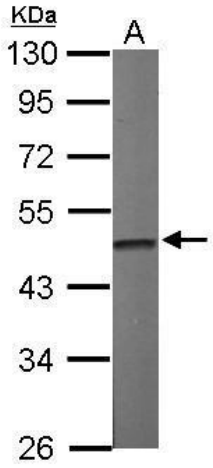
Background: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent 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. [provided by RefSeq]

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

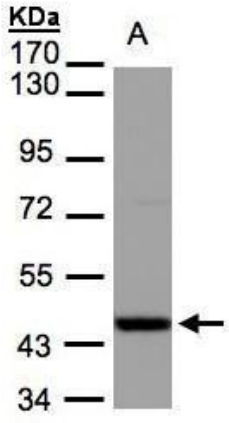
Note: Seq homology of immunogen across species: Rhesus Monkey (100%)

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

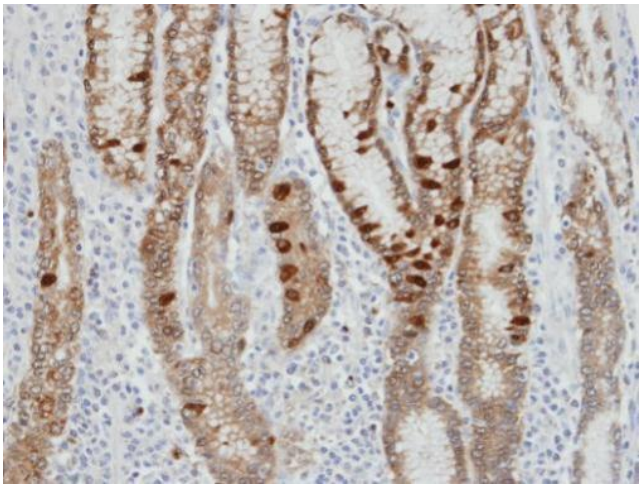
Product images:



Sample (50 ug of whole cell lysate). A: Mouse brain. 10% SDS PAGE. TA308664 diluted at 1:1000.



Sample (30 ug of whole cell lysate). A:MOLT4. 7.5% SDS PAGE. TA308664 diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded normal gastric epithelium (gland), using IDH2 (TA308664) antibody at 1:100 dilution.