ARG59751
anti-IDH3B antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes IDH3B
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	IDH3B
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 33-46 of Human IDH3B. (NP_008830.2; NP_777280.1. C-HAASRSQAEDVRVE)
Conjugation	Un-conjugated
Alternate Names	RP46; Isocitric dehydrogenase subunit beta; NAD; Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial; H-IDHB; EC 1.1.1.41; +

Application Instructions

Application table

Application	Dilution
WB	0.3 - 1 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 40 kDa

Properties

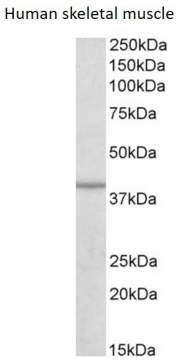
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

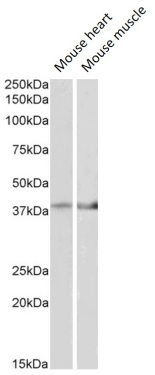
Gene Symbol	IDH3B
Gene Full Name	isocitrate dehydrogenase 3 (NAD+) beta
Background	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). 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. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Calculated Mw	42 kDa
Cellular Localization	Mitochondrion. [UniProt]

Images



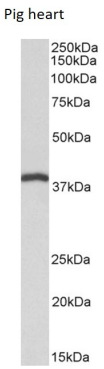
ARG59751 anti-IDH3B antibody WB image

Western blot: 35 µg of Human skeletal muscle lysate (in RIPA buffer) stained with ARG59751 anti-IDH3B antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG59751 anti-IDH3B antibody WB image

Western blot: 35 µg of Mouse heart and Mouse muscle lysate (in RIPA buffer) stained with ARG59751 anti-IDH3B antibody at 2 µg/ml dilution and incubated at RT for 1 hour.



ARG59751 anti-IDH3B antibody WB image

Western blot: 35 µg of Pig heart lysate (in RIPA buffer) stained with ARG59751 anti-IDH3B antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.