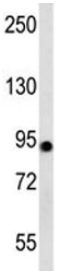
Aconitase 2 Antibody (F47297)

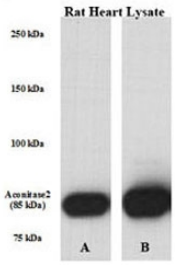
Catalog No.	Formulation	Size
F47297-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47297-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

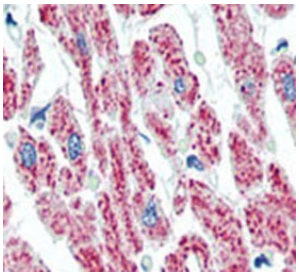
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Pig
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q99798
Localization	Cytoplasmic, granular
Applications	Western blot: 1:500-1000 IHC (Paraffin): 1:10-1:50
Limitations	This Aconitase 2 antibody is available for research use only.



Western blot testing of human 293 cell lysate with Aconitase 2 antibody at 1:1000. Predicted molecular weight ~85 kDa.



Western blot testing of Aconitase 2 antibody (1:1000) and rat heart cell lysate. Predicted molecular weight ~85 kDa.



IHC analysis of FFPE human heart tissue stained with Aconitase 2 antibody.

Description

ACO2/Aconitase 2 belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15(PRSS15), also known as Lon protease, after oxidative modification.

For a monoclonal antibody to this target, see our ACO2 Antibody 4C12D1 / Aconitase 2 Monoclonal Antibody.

Application Notes

Titration of the Aconitase 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 438-467 from the human protein was used as the immunogen for this Aconitase 2 antibody.

Storage

Aliquot the Aconitase 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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