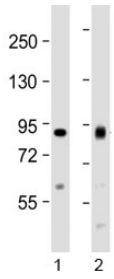
ACO2 Antibody / Aconitase 2 (F50512)

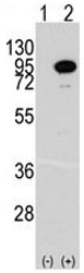
Catalog No.	Formulation	Size
F50512-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50512-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

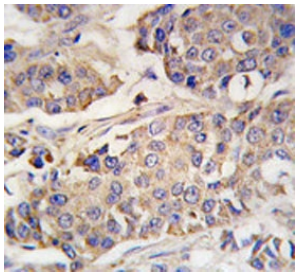
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q99798
Localization	Cytoplasmic, granular
Applications	Western blot: 1:500-1000 IHC (Paraffin): 1:10-1:50
Limitations	This ACO2 antibody is available for research use only.



Western blot testing of human 1) HeLa and 2) Jurkat cell lysate with ACO2 antibody at 1:1000. Predicted molecular weight ~85 kDa.



Western blot analysis of ACO2 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the ACO2 gene (2). Predicted molecular weight ~85 kDa.



IHC analysis of FFPE human breast carcinoma tissue stained with ACO2 antibody

Description

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. 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 ACO2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 294-325 from the human protein was used as the immunogen for this ACO2 antibody.

Storage

Aliquot the ACO2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com

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