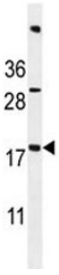
ACN9 Antibody / SDHAF3 (F41148)

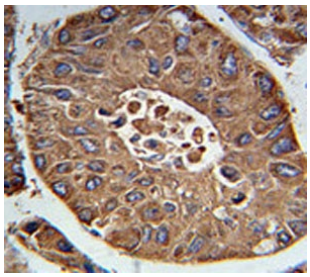
Catalog No.	Formulation	Size
F41148-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41148-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9NRP4
Localization	Cytoplasmic
Applications	Western blot: 1:500-1000 IHC (Paraffin): 1:50-1:100
Limitations	This ACN9 antibody is available for research use only.



ACN9 antibody western blot analysis in mouse bladder tissue lysate. Predicted molecular weight ~15 kDa.



ACN9 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma.

Description

ACN9/SDHAF3 plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1. [UniProt]

Application Notes

Titration of the ACN9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 13-42 from the human protein was used as the immunogen for this ACN9 antibody.

Storage

Aliquot the ACN9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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