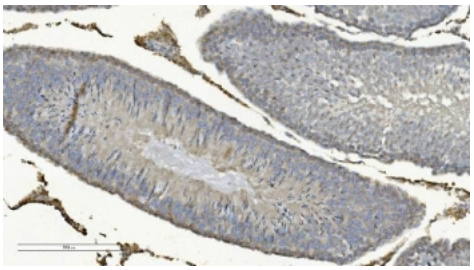
Cox8a Antibody (RQ6090)

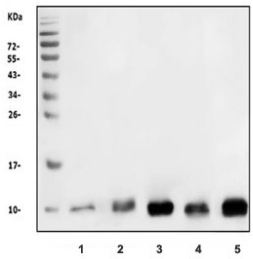
Catalog No.	Formulation	Size
RQ6090	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

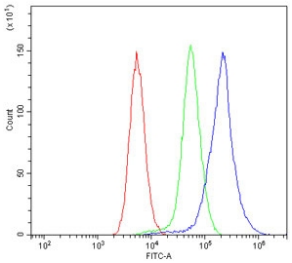
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q64445
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Cox8a antibody is available for research use only.



IHC staining of FFPE rat testis with Cox8a antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat brain, 2) rat stomach, 3) rat kidney, 4) mouse brain and 5) mouse kidney lysate with Cox8a antibody. Predicted molecular weight ~8 kDa.



Flow cytometry testing of mouse spleen cells with Cox8a antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cox8a antibody.

Description

The protein encoded by this gene is the terminal enzyme of the respiratory chain, coupling the transfer of electrons from cytochrome c to molecular oxygen, with the concomitant production of a proton electrochemical gradient across the inner mitochondrial membrane. In addition to 3 mitochondrially encoded subunits, which perform the catalytic function, the eukaryotic enzyme contains nuclear-encoded smaller subunits, ranging in number from 4 in some organisms to 10 in mammals. It has been proposed that nuclear-encoded subunits may be involved in the modulation of the catalytic function. This gene encodes one of the nuclear-encoded subunits.

Application Notes

Optimal dilution of the Cox8a antibody should be determined by the researcher.

Immunogen

Amino acids AGWILSHLETYRRPE from the mouse protein were used as the immunogen for the Cox8a antibody.

Storage

After reconstitution, the Cox8a antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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