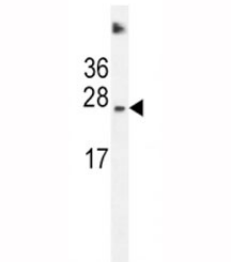
SDHD Antibody (F41948)

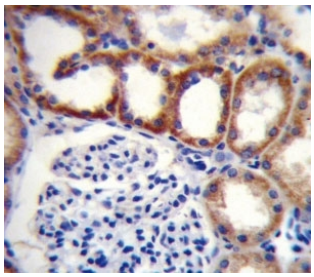
Catalog No.	Formulation	Size
F41948-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41948-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

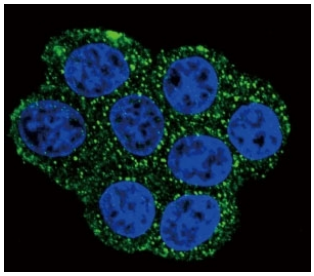
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O14521
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This SDHD antibody is available for research use only.



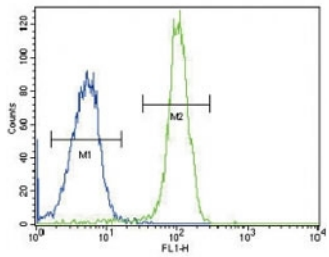
SDHD antibody western blot analysis in HeLa lysate



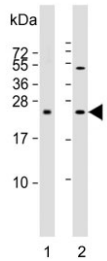
SDHD antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue.



Confocal immunofluorescent analysis of SDHD antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



SDHD antibody flow cytometric analysis of HeLa cells (green) compared to aÂ negative controlÂ (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Western blot testing of human 1) A2058 and 2) HeLa cell lysate with SDHD antibody.

Description

Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The subunit D protein is one of two integral membrane proteins anchoring the complex to the matrix side of the membrane. Mutations in SDHD have been linked to hereditary paraganglioma.

Application Notes

Titration of the SDHD 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 SDHD antibody.

Storage

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