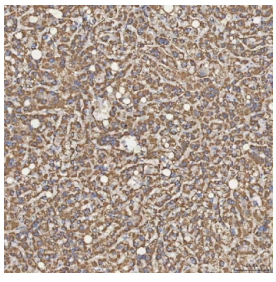
Sideroflexin-5 Antibody / SFXN5 (RQ7638)

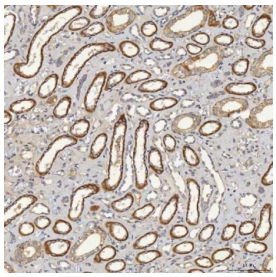
Catalog No.	Formulation	Size
RQ7638	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

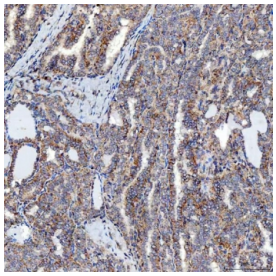
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q8TD22
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Sideroflexin-5 antibody is available for research use only.



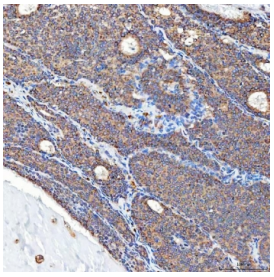
IHC staining of FFPE human liver cancer tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



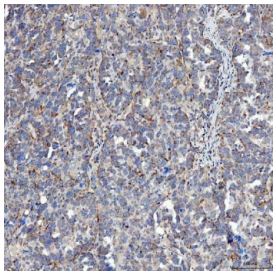
IHC staining of FFPE human renal cancer tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



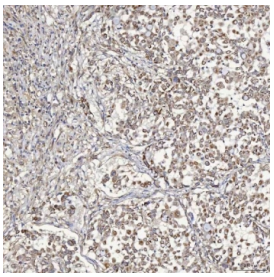
IHC staining of FFPE human thyroid cancer tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



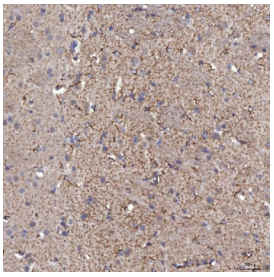
IHC staining of FFPE human breast cancer tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



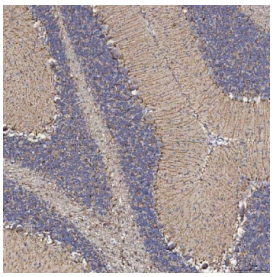
IHC staining of FFPE human ovarian serous cancer tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



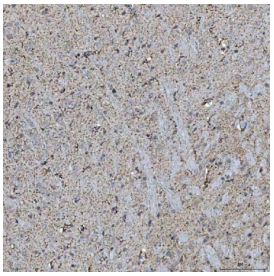
IHC staining of FFPE human lung adenocarcinoma tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



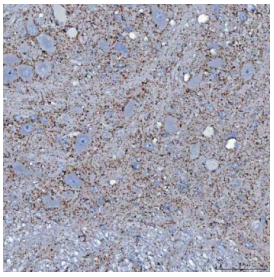
IHC staining of FFPE mouse brain tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



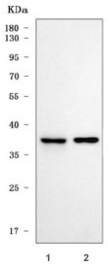
IHC staining of FFPE mouse cerebellum tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



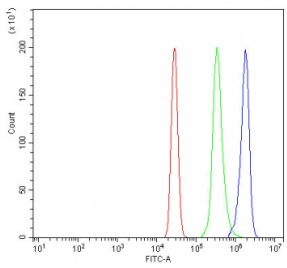
IHC staining of FFPE rat brain tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



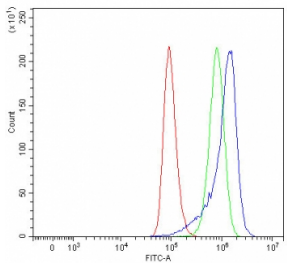
IHC staining of FFPE rat cerebellum tissue with Sideroflexin-5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with Sideroflexin-5 antibody. Predicted molecular weight ~37 kDa.



Flow cytometry testing of human U937 cells with Sideroflexin-5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Sideroflexin-5 antibody.



Flow cytometry testing of human A549 cells with Sideroflexin-5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Sideroflexin-5 antibody.

Description

Sideroflexin-5 has cation transmembrane transporter activity and citrate transmembrane transporter activity. It is broadly expressed in brain, liver, kidney and other tissues. Sideroflexin-5 is associated with Parkinson Disease. An important paralog of this gene is SFXN3/Sideroflexin-3.

Application Notes

Optimal dilution of the Sideroflexin-5 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q34-L340) was used as the immunogen for the Sideroflexin-5 antibody.

Storage

After reconstitution, the Sideroflexin-5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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