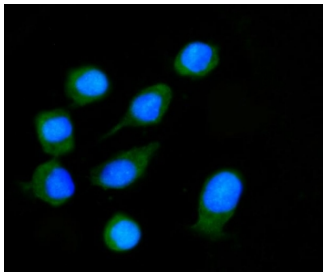
Nucleoredoxin Antibody / NXN / NXR (RQ7985)

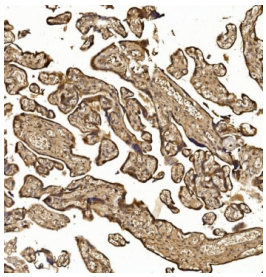
Catalog No.	Formulation	Size
RQ7985	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

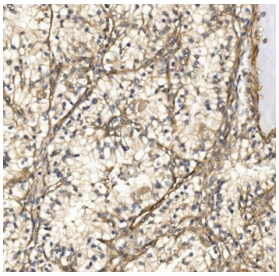
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6DKJ4
Localization	Cytoplasmic, nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Nucleoredoxin antibody is available for research use only.



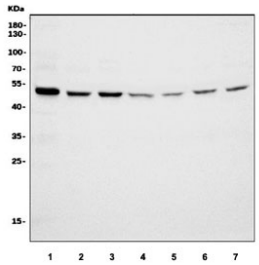
Immunofluorescent staining of FFPE human Caco-2 cells with Nucleoredoxin antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



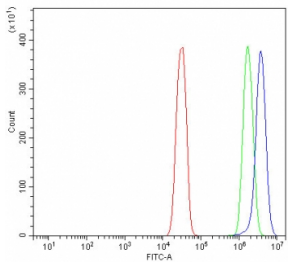
IHC staining of FFPE human placental tissue with Nucleoredoxin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human renal clear cell carcinoma tissue with Nucleoredoxin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Caco-2, 2) HepG2, 3) HEK293, 4) A549, 5) U-2 OS, 6) A431 and 7) HeLa cell lysate with Nucleoredoxin antibody. Predicted molecular weight ~48 kDa.



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

Description

This gene encodes a member of the thioredoxin superfamily, a group of small, multifunctional redox-active proteins. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. The encoded protein acts a redox-dependent regulator of the Wnt signaling pathway and is involved in cell growth and differentiation.

Application Notes

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

Immunogen

E. coli-derived recombinant human protein (amino acids E19-I435) was used as the immunogen for the Nucleoredoxin antibody.

Storage

After reconstitution, the Nucleoredoxin 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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