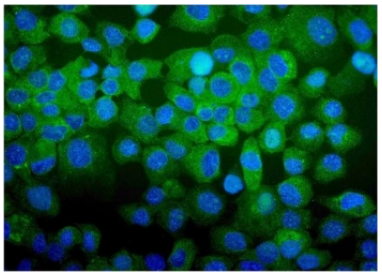
CDC123 Antibody (RQ6088)

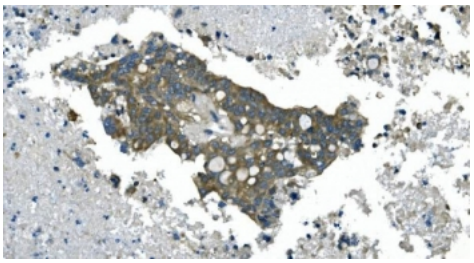
Catalog No.	Formulation	Size
RQ6088	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

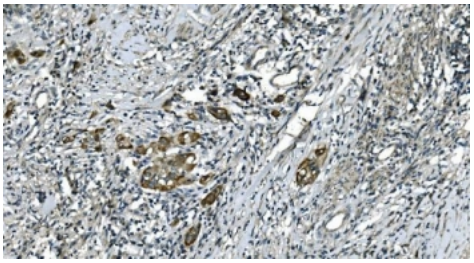
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O75794
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This CDC123 antibody is available for research use only.



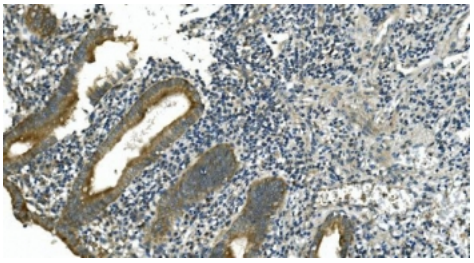
Immunofluorescent staining of FFPE human A431 cells with CDC123 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



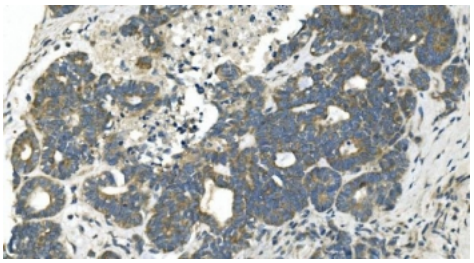
IHC staining of FFPE human pancreatic cancer with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



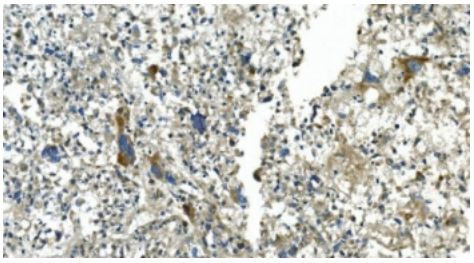
IHC staining of FFPE human bladder cancer with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



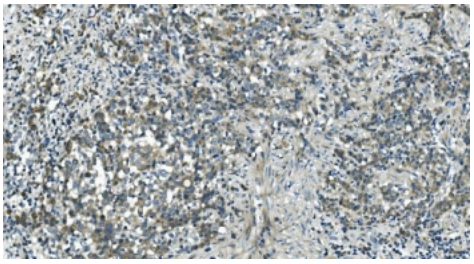
IHC staining of FFPE human appendicitis tissue with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



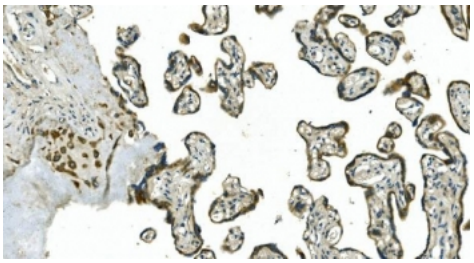
IHC staining of FFPE human ovarian cancer with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



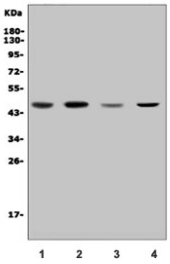
IHC staining of FFPE human liver cancer with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



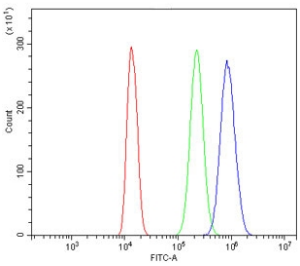
IHC staining of FFPE human gastric cancer with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placenta with CDC123 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Jurkat, 2) HEK293, 3) SW620 and 4) A549 cell lysate with CDC123 antibody. Predicted molecular weight ~45 kDa.



Flow cytometry testing of human ThP-1 cells with CDC123 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CDC123 antibody.

Description

Cell division cycle protein 123 homolog is a protein that in humans is encoded by the CDC123 gene. It is mapped to chromosome 10p14-p13. CDC123 is predicted to function as an assembly factor for eukaryotic translation initiation factor-2, which recruits initiator met-tRNA to the 40S ribosome to begin protein synthesis.

Application Notes

Optimal dilution of the CDC123 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-D336) was used as the immunogen for the CDC123 antibody.

Storage

After reconstitution, the CDC123 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.