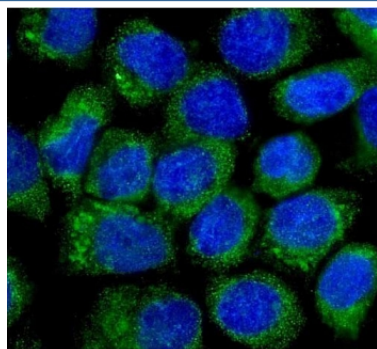


CCN3 Antibody / NOV (C-Terminal Region) (R32970)

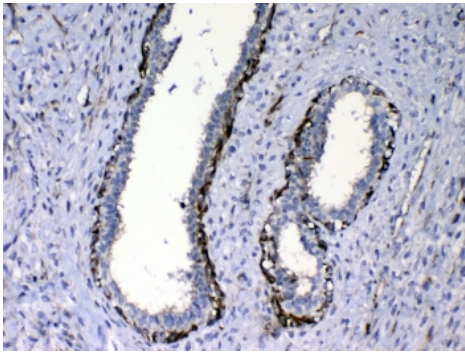
Catalog No.	Formulation	Size
R32970	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

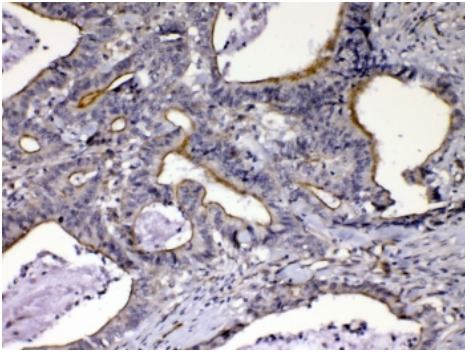
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P48745
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence (FFPE) : 1-2ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow cytometry : 1-3ug/million cells
Limitations	This CCN3 antibody is available for research use only.



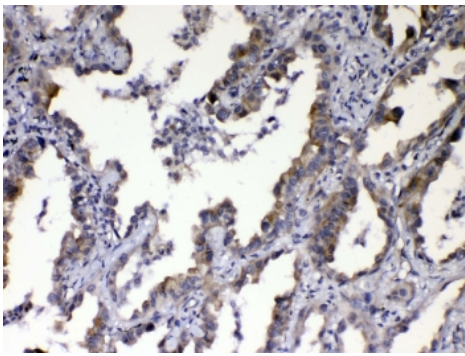
Immunofluorescent staining of FFPE human A431 cells with CCN3 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



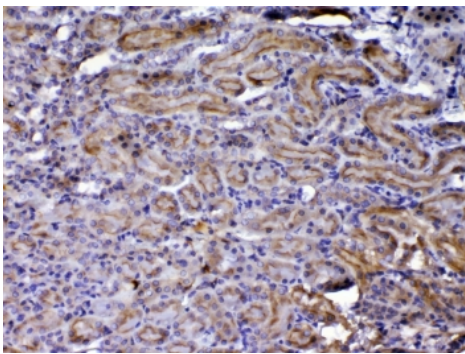
IHC testing of FFPE human breast cancer tissue with CCN3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



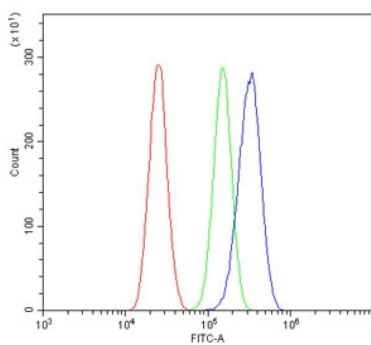
IHC testing of FFPE human intestinal cancer tissue with CCN3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human lung cancer tissue with CCN3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat kidney tissue with CCN3 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Flow cytometry testing of human U-87 MG cells with CCN3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CCN3 antibody.

kDa
180-
130-
95-
72-
55-
43-
34-
26-
17-

Western blot testing of human HeLa cell lysate with CCN3 antibody at 0.5ug/ml. Observed molecular weight: ~47 kDa (full), ~35 kDa (cleaved).

Description

NOV (nephroblastoma overexpressed), also known as CCN3, is a matricellular protein that in humans is encoded by the NOV gene. The protein encoded by this gene is a small secreted cysteine-rich protein and a member of the CCN family of regulatory proteins. CNN family proteins associate with the extracellular matrix and play an important role in cardiovascular and skeletal development, fibrosis and cancer development.

Application Notes

Optimal dilution of the CCN3 antibody should be determined by the researcher.

Immunogen

Amino acids 334-357 (HTNCPKNNEAFLQELELKTTRGKM) were used as the immunogen for the CCN3 antibody.

Storage

After reconstitution, the CCN3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.