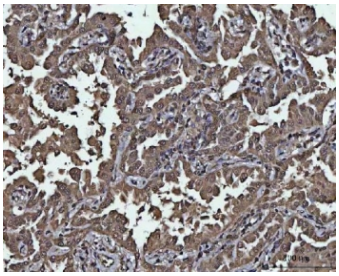
PP-X Antibody / PPP4C (RQ8106)

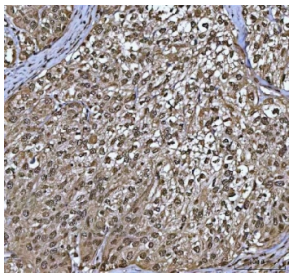
Catalog No.	Formulation	Size
RQ8106	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

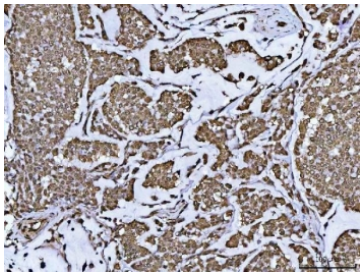
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P60510
Localization	Cytoplasmic, nuclear
Applications	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 PP-X antibody is available for research use only.



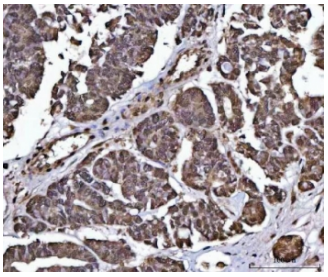
IHC staining of FFPE human lung cancer tissue with PP-X antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



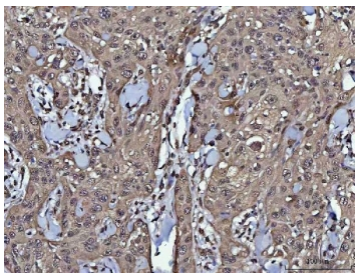
IHC staining of FFPE human invasive urothelial carcinoma of the bladder with squamous differentiation tissue with PP-X antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



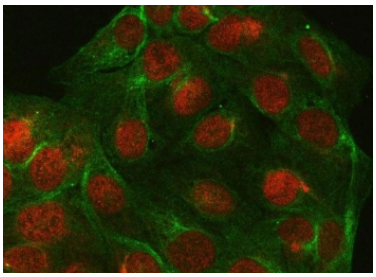
IHC staining of FFPE human breast cancer with PP-X antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



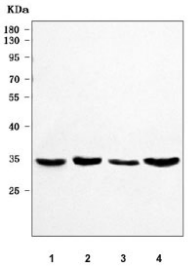
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with PP-X antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



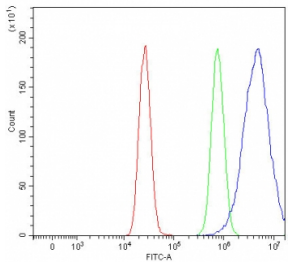
IHC staining of FFPE human skin squamous cell carcinoma tissue with PP-X antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human U-2 OS cells with PP-X antibody (red) and Alpha Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HeLa, 2) 293T, 3) Jurkat and 4) A431 cell lysate with PP-X antibody. Predicted molecular weight ~35 kDa.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with PP-X antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PP-X antibody.

Description

Serine/threonine-protein phosphatase 4 catalytic subunit, also called Protein phosphatase X (PP-X), is an enzyme that in humans is encoded by the PPP4C gene. Enables protein serine/threonine phosphatase activity. Involved in regulation of double-strand break repair via homologous recombination. Located in cytosol; nucleoplasm; and plasma membrane.

Application Notes

Optimal dilution of the PP-X antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q13-L307) was used as the immunogen for the PP-X antibody.

Storage

After reconstitution, the PP-X 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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