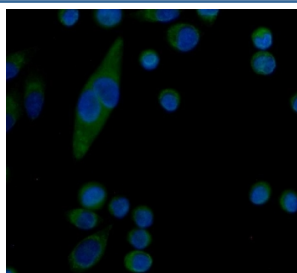


Serum Amyloid P Antibody (RQ4226)

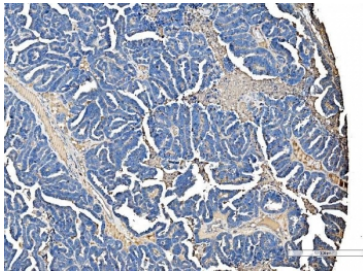
Catalog No.	Formulation	Size
RQ4226	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

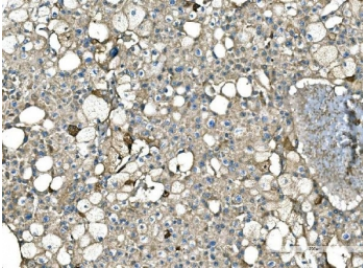
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P02743
Localization	Secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Serum Amyloid P antibody is available for research use only.



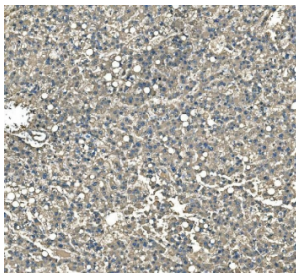
Immunofluorescent staining of FFPE human SiHa cells with Serum Amyloid P antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



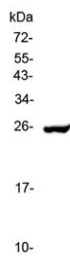
IHC staining of FFPE human ovarian serous adenocarcinoma tissue with Serum Amyloid P antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



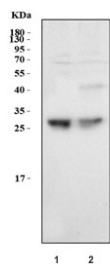
IHC staining of FFPE human liver cancer tissue with Serum Amyloid P antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



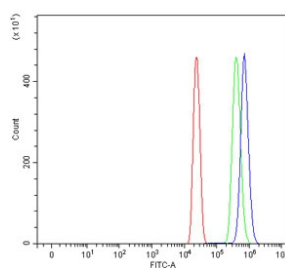
IHC staining of FFPE human liver cancer tissue with Serum Amyloid P antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human placenta lysate with Serum Amyloid P antibody at 0.5ug/ml. Predicted molecular weight ~25 kDa.



Western blot testing of human 1) HCCT and 2) HCCP cell lysate with Serum Amyloid P antibody at 0.5ug/ml. Predicted molecular weight ~25 kDa.



Flow cytometry testing of human HL60 cells with Serum Amyloid P antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=Serum Amyloid P antibody.

Description

Amyloid P component, serum (SAP), also known as PTX2 or APCS, is the identical serum form of amyloid P component (AP), a 25kDa pentameric protein first identified as the pentagonal constituent of in vivo pathological deposits called amyloid. It belongs to the pentraxins family, characterised by calcium dependent ligand binding and distinctive flattened ÅŽ²-jellyroll structure similar to that of the legume lectins. This gene is mapped to 1q23.2. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo.

Application Notes

Titration of the Serum Amyloid P antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A recombinant human protein corresponding to amino acids H20-L220 was used as the immunogen for the Serum Amyloid P antibody.

Storage

The lyophilized Serum Amyloid P antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freeze/thaws.