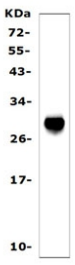
SAP Antibody / Serum Amyloid P (R31452)

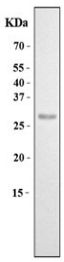
Catalog No.	Formulation	Size
R31452	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P12246
Gene ID	20219
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested)
Limitations	This SAP antibody is available for research use only.



Western blot testing of mouse liver tissue lysate with SAP antibody. Predicted molecular weight ~25 kDa.



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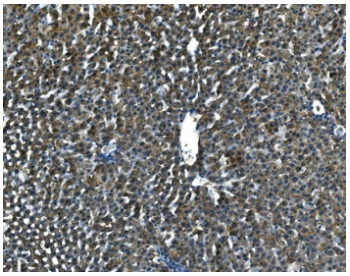

IHC-P: SAP antibody testing of rat liver tissue. HIER: steamed with pH6 citrate buffer.

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 beta-jellyroll structure similar to that of the legume lectins. This gene is mapped to 1q23.2. The binding of SAP 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

The stated application concentrations are suggested starting amounts. Titration of the SAP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Mouse partial recombinant protein (AA 21-224) was used as the immunogen for this Serum Amyloid P antibody.

Storage

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