

Rabbit anti-Rat Serum Amyloid P Polyclonal Antibody | anti-APCS antibody

Anti-Serum Amyloid P antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45625	Rabbit	Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Serum Amyloid P; Polyclonal Antibody; Anti-Serum Amyloid P antibody; Serum amyloid P-component; amyloid P component; serum; 9.5S alpha 1 glycoprotein antibody; 9.5S alpha-1-glycoprotein antibody; Amyloid P component serum antibody; APCS antibody; MGC88159 antibody; Pentaxin related antibody; Pentraxin 2 antibody; PTX 2 antibody; PTX2 antibody; SAMP_HUMAN antibody; SAP antibody; Serum amyloid P component antibody; Serum amyloid P-component(1-203) antibody; anti-APCS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	228
Applicable Applications for anti-APCS antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived rat Serum Amyloid P recombinant protein (Position: Q21-S228). Rat Serum Amyloid P shares 72% and 80% amino acid (aa) sequences identity with human and mouse Serum Amyloid P, respectively.
Contents	Each vial contains 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-Serum Amyloid P Picoband antibody, AAA45625-2.jpg All lanes: Anti- Serum Amyloid P(AAA45625) at 0.5ug/ml WB: Recombinant Rat Serum Amyloid P Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD



IHC (Immunohistochemistry)

Anti-Serum Amyloid P Picoband antibody, AAA45625-1.JPG IHC(P): Rat Liver Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-APCS antibody	Description: Rabbit IgG polyclonal antibody for Serum amyloid P-component(APCS) detection. Tested with WB, IHC-P in Rat. Background: 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3183550
NCBI GeneID	29339
UniProt Accession #	P23680; Q63539
Molecular Weight	26,176 Da
NCBI Official Full Name	Serum amyloid P-component
NCBI Official Synonym Full Names	amyloid P component, serum
NCBI Official Symbol	Apcs
NCBI Official Synonym Symbols	Sap
NCBI Protein Information	serum amyloid P-component
UniProt Protein Name	Serum amyloid P-component
UniProt Gene Name	Apcs
UniProt Synonym Gene Names	Ptx2; Sap; SAP
UniProt Entry Name	SAMP_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.