

## Rabbit anti-Mouse Serum Amyloid P Polyclonal Antibody | anti-APCS antibody

Anti-Serum Amyloid P Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA259464 | Rabbit | Mouse      | Immunoprecipitation, ELISA, Western Blot |

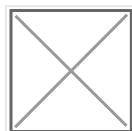
### PRODUCT SYNONYMS

Serum Amyloid P; Polyclonal Antibody; Anti-Serum Amyloid P Antibody; Rabbit Polyclonal; Serum Amyloid P Antibody; Rabbit PAb; Antigen Affinity Purified; amyloid P component; serum; Anti-Apcs Antibody; Anti-Ptx2 Antibody; Anti-Sap Antibody; anti-APCS antibody

### PRODUCT SPECIFICATIONS

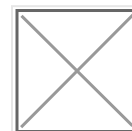
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity                                     | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity                                    | Mouse Serum Amyloid P                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Protein A & Antigen Affinity                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-APCS antibody | IP (Immunoprecipitation), ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                      | Recombinant Mouse Serum Amyloid P Protein ( NP_035448.2; Met1-Asp224). Serum Amyloid P specific IgG was purified by Mouse Serum Amyloid P affinity chromatography.                                                                                                                                                                                                                                                          |
| Preparation and Storage                        | This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |

### IMAGES



#### WB (Western Blot)

Anti-Serum Amyloid P rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse liver tissue lysate Lane A: Mouse kidney tissue lysate Lysates/proteins at 30ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 25 kDa Observed band size: 25 kDa



#### IF (Immunofluorescence)

mAPCS was immunoprecipitated using: Lane A: 0.5 mg Mouse liver Whole Cell Lysate Lane B: 0.5 mg Mouse kidney Whole Cell Lysate 4 uL anti-mAPCS rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-mAPCS rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 25 kDa Observed band size :27 kDa

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-APCS antibody | Serum amyloid P component (SAP) is the identical serum form of amyloid P component (AP), a highly preserved plasma protein named for its ubiquitous presence in amyloid deposits. As a normal plasma protein first identified as the pentagonal constituent of in vivo pathological deposits called "amyloid". Serum amyloid P component represents another member of the pentraxin family, a highly conserved group of molecules that may play a role in innate immunity. SAP is a key negative regulator for innate immune responses to DNA and may be partly responsible for the insufficient immune responses after DNA vaccinations in humans. SAP suppression may be a novel strategy for improving efficacy of human DNA vaccines and requires further clinical investigations. |
| References                                         | Wan. Y. e. al. (2011. Huma. seru. amyloi. . function. a. . negativ. regulato. o. th. innat. an. adaptiv. immun. response. t. DN. vaccines. . Immunol. 186(5). 2860-70.Hawkin. PN. (2002. Seru. amyloi. . componen. scintigraph. fo. diagnosi. an. monitorin. amyloidosis. Cur. Opi. Nephro. Hypertens. 11(6). 649-55.Noursadegh. M. e. al. (2000. Rol. o. seru. amyloi. . componen. i. bacteria. infection. protectio. o. th. hos. o. protectio. o. th. pathogen. Pro. Nat. Aca. Sc. . . A. 97. 14584-9.d. Haa. CJ. (1999. Ne. insight. int. th. rol. o. seru. amyloi. . component. . nove. lipopolysaccharide-bindin. protein. FEM. Immuno. Me. Microbiol. 26(3-4). 197-202.                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                           |
|----------------------------------|---------------------------|
| NCBI GI #                        | 226958497                 |
| NCBI GeneID                      | 20219                     |
| NCBI Accession #                 | NP_035448.2               |
| NCBI GenBank Nucleotide #        | NM_011318.2               |
| Molecular Weight                 | 26,247 Da                 |
| NCBI Official Full Name          | serum amyloid P-component |
| NCBI Official Synonym Full Names | serum amyloid P-component |
| NCBI Official Symbol             | Apcs                      |
| NCBI Official Synonym Symbols    | Sap                       |
| NCBI Protein Information         | serum amyloid P-component |

**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.