

## **APCS Antibody**

Mouse Monoclonal Antibody (Mab)
Catalog # AM1978b

## **Specification**

## **APCS Antibody - Product Information**

WB,E Application **Primary Accession** P02743 NP 001630.1 Other Accession Reactivity Human Host Mouse Clonality **Monoclonal** Isotype IgG2a Calculated MW 25387

## **APCS Antibody - Additional Information**

### Gene ID 325

#### **Other Names**

Serum amyloid P-component, SAP, 95S alpha-1-glycoprotein, Serum amyloid P-component(1-203), APCS, PTX2

### Target/Specificity

Purified His-tagged APCS protein(Fragment) was used to produced this monoclonal antibody.

#### **Dilution**

WB~~1:500~1000

E~~Use at an assay dependent concentration.

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

APCS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## **APCS Antibody - Protein Information**

### Name APCS

## **Synonyms PTX2**

Function Can interact with DNA and histones and may scavenge nuclear material released from



damaged circulating cells. May also function as a calcium-dependent lectin.

**Cellular Location** Secreted.

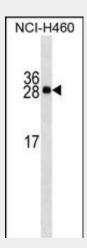
**Tissue Location**Found in serum and urine.

### **APCS Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

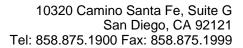
## **APCS Antibody - Images**



APCS Antibody (Cat. #AM1978b) western blot analysis in NCI-H460 cell line lysates (35µg/lane). This demonstrates the APCS antibody detected the APCS protein (arrow).

## **APCS Antibody - Background**

The protein encoded by this gene is a glycoprotein, belonging to the pentraxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. 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.





# **APCS Antibody - References**

Song, Z., et al. Atherosclerosis 211(1):90-95(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
McGeachie, M., et al. Circulation 120(24):2448-2454(2009)
Lu, J., et al. Nature 456(7224):989-992(2008)
Verwey, N.A., et al. Dement Geriatr Cogn Disord 26(6):522-527(2008)