10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# APCS Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM1978b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P02743 |
| **Other Accession** | NP_001630.1 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a |
| **Clone Names** | 342CT9.4.7 |
| **Calculated MW** | 25387 |

## Additional Information

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|---|---|
| **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. |

## Protein Information

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|---|---|
| **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.

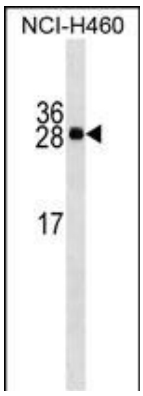
## Background

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.

## 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)

## 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.