

**PSA Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6563c****Specification**

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**PSA Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P55786](#)**PSA Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9520**Other Names**

Puromycin-sensitive aminopeptidase, PSA, Cytosol alanyl aminopeptidase, AAP-S, NPEPPS, PSA

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6563c](/products/AP6563c) was selected from the Center region of human PSA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PSA Antibody (Center) Blocking Peptide - Protein Information****Name** NPEPPS**Synonyms** PSA**Function**

Aminopeptidase with broad substrate specificity for several peptides. Involved in proteolytic events essential for cell growth and viability. May act as regulator of neuropeptide activity. Plays a role in the antigen-processing pathway for MHC class I molecules. Involved in the N-terminal trimming of cytotoxic T-cell epitope precursors. Digests the poly-Q peptides found in many cellular proteins. Digests tau from normal brain more efficiently than tau from Alzheimer disease brain.

**Cellular Location**

Cytoplasm, cytosol. Nucleus

**Tissue Location**

Detected in liver, epithelium of renal tubules, epithelium of small and large intestine, gastric epithelial cells, and alveoli of the lung (at protein level).

### **PSA Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **PSA Antibody (Center) Blocking Peptide - Images**

### **PSA Antibody (Center) Blocking Peptide - Background**

PSA is the puromycin-sensitive aminopeptidase, a zinc metallopeptidase which hydrolyzes amino acids from the N-terminus of its substrate. The protein has been localized to both the cytoplasm and to cellular membranes. This enzyme degrades enkaphalins in the brain, and studies in mouse suggest that it is involved in proteolytic events regulating the cell cycle.

### **PSA Antibody (Center) Blocking Peptide - References**

Thompson,M.W., Peptides 24 (9), 1359-1365 (2003)