

**SERPINA4 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7455c****Specification**

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**SERPINA4 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P29622](#)**SERPINA4 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5267**Other Names**

Kallistatin, Kallikrein inhibitor, Peptidase inhibitor 4, PI-4, Serpin A4, SERPINA4, KST, PI4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7455c](/products/AP7455c) was selected from the Center region of human SERPINA4. 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.

**SERPINA4 Antibody (Center) Blocking Peptide - Protein Information****Name** SERPINA4**Synonyms** KST, PI4**Function**

Inhibits human amidolytic and kininogenase activities of tissue kallikrein. Inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein.

**Cellular Location**

Secreted.

**Tissue Location**

Expressed by the liver and secreted in plasma.

## **SERPINA4 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **SERPINA4 Antibody (Center) Blocking Peptide - Images**

## **SERPINA4 Antibody (Center) Blocking Peptide - Background**

SERPINA4 inhibits human amidolytic and kininogenase activities of tissue kallikrein. The inhibition is achieved by formation of an equimolar, heat- and SDS-stable complex between the inhibitor and the enzyme, and generation of a small C-terminal fragment of the inhibitor due to cleavage at the reactive site by tissue kallikrein.

## **SERPINA4 Antibody (Center) Blocking Peptide - References**

Chai K.X., Chen L.-M.J. Biol. Chem. 268:24498-24505(1993)Chai K.X., Ward D.C.Genomics 23:370-378(1994)Zhou G.X., Chao L.J. Biol. Chem. 267:25873-25880(1992)