10320 Camino Santa Fe, Suite G
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PI-8 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10571

Specification

PI-8 Antibody - Product Information

Application	**WB**
Primary Accession	P50452
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42767**

PI-8 Antibody - Additional Information

Gene ID 5271

Application & Usage: **Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes 40-45 kDa human PI-8. Reactivity to other species has not been tested.**

Other Names
CAP2 , PI8 , SERPINB8

Target/Specificity
PI-8

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
0.5 mg/ml purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 1% BSA, 30% glycerol and 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions

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PI-8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PI-8 Antibody - Protein Information

Name SERPINB8

Synonyms PI8

Function
Has an important role in epithelial desmosome-mediated cell- cell adhesion.

Cellular Location
Cytoplasm.

PI-8 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PI-8 Antibody - Images

PI-8 Antibody - Background

High molecular weight serine protease inhibitors (serpins) are large superfamily of proteins, which bind to and inactivate serine proteinases. In 1995 Sprecher et al. cloned 2 novel serpins, termed PI8 and PI9, from human placenta cDNA library. Sequencing showed that PI8 encodes 376-amino acids. PI8 are localized to the cytoplasm of transfected cells and was able to form an SDS- complex. PI8 is implicated to inhibit furin enzymatic activity and plays a role in platelet-regulated pathophysiological responses.