

Protease Inhibitor 8 (PI-8) Polyclonal Antibody

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| CATALOG NO: | 3748-30T | 30 µg (Trial size) |
| | 3748-100 | 100 µg |
| HOST: | Rabbit | |
| IMMUNOGEN: | Synthetic peptide surrounding amino acid 10 of human PI-8 (ID# BV-434) | |
| SPECIES REACTIVITY: | Human | |

FORMULATION:

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

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

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.

SPECIFICITY:

The antibody recognizes 40-45 kDa human PI-8. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3748BP-50) is available separately.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
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- Bioluminescence Cytotoxicity Assay Kit
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- DNA Damage Quantification Kit
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- 5 Minutes DNA Ligation Kit
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