

Product datasheet for **TA318921**

SERPINB9 Mouse Monoclonal Antibody [Clone ID: PI9-17]

Product data:

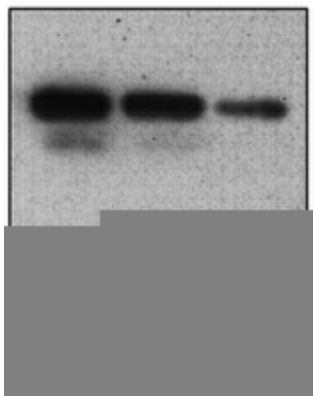
Product Type:	Primary Antibodies
Clone Name:	PI9-17
Applications:	WB
Recommended Dilution:	WB: 2-4 ug/ml, IHC: 20ug/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human full length PI9
Formulation:	100 µg (0.5 mg/ml) mouse monoclonal antibody from culture supernatant diluted in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% thimerosal.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	serpin family B member 9
Database Link:	NP_004146 Entrez Gene 5272 Human P50453
Background:	Proteinase inhibitor 9 (PI-9, also designated cytoplasmic antiproteinase 3, or CAP3) is a 42 kDa member of the ovalbumin family of serpins that is expressed in placenta, lung and cytotoxic lymphocytes. PI-9 is a potent inhibitor of granzyme B and of granzyme B-mediated apoptosis, and is also an inhibitor of caspase-1 and, to a smaller extent, caspase-4 and caspase-8. PI-9 expression is also upregulated in response to inflammatory stimuli. This upregulation protects cells from apoptosis induced by endogenously expressed or released granzyme B, particularly during target cell killing.
Synonyms:	CAP-3; CAP3; PI-9; PI9



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Protein Families: Druggable Genome

Product images:



Western blot analysis of recombinant P19: Lane 1:
2 ug Lane 2: 5 ug Lane 3: 10 ug