

SRGN Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58510**Specification**

SRGN Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P10124
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17652

SRGN Polyclonal Antibody - Additional Information**Gene ID** 5552**Other Names**

Serglycin, Hematopoietic proteoglycan core protein, Platelet proteoglycan core protein, P.PG, Secretory granule proteoglycan core protein, SRGN, PRG, PRG1

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SRGN Polyclonal Antibody - Protein Information**Name** SRGN**Synonyms** PRG, PRG1**Function**

Plays a role in formation of mast cell secretory granules and mediates storage of various compounds in secretory vesicles. Required for storage of some proteases in both connective tissue and mucosal mast cells and for storage of granzyme B in T-lymphocytes. Plays a role in localizing neutrophil elastase in azurophil granules of neutrophils. Mediates processing of MMP2. Plays a role in cytotoxic cell granule- mediated apoptosis by forming a complex with granzyme B which is delivered to cells by perforin to induce apoptosis. Regulates the secretion of TNF-alpha and may also regulate protease secretion. Inhibits bone mineralization.

Cellular Location

Cytoplasmic granule. Cytolytic granule. Secreted, extracellular space. Golgi apparatus
Note=Found in mast cell granules and in cytoplasmic granules of cytolytic T lymphocytes from where it is secreted upon cell activation (By similarity). Secreted constitutively by endothelial cells and macrophages (PubMed:11154222). Located to Golgi apparatus during neutrophil differentiation (PubMed:15136585) {ECO:0000250|UniProtKB:P13609, ECO:0000269|PubMed:11154222, ECO:0000269|PubMed:15136585}

SRGN Polyclonal 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 Cytometry](#)
- [Cell Culture](#)

SRGN Polyclonal Antibody - Images