

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
Host
Clonality
Calculated MW
Physical State
P10124
Rabbit
Polyclonal
14.7 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human SRGN

Epitope Specificity 61-158/158

Isotype IgG
Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

SUBCELLULAR LOCATION Proclin300 and 50% Glycerol.

Cytoplasmic granule. Secreted,

extracellular space. Golgi apparatus.

SIMILARITY Belongs to the serglycin family.

SUBUNIT

Post-translational modifications

Binds to activated CD44 and to GZMB.

O-glycosylated; contains chondroitin

sulfate and heparin sulfate (By similarity).

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

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.

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<br \><span class</pre>



="dilution_IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ 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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

SRGN Polyclonal Antibody - Images