

## SRGN Rabbit pAb

CatalogNo: YT6664

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 17kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human SRGN AA range: 30-80

**Specificity** This antibody detects endogenous levels of SRGN at Human/Mouse/Rat

### Target Information

**Gene name** SRGN PRG PRG1

**Protein Name**

SRGN

Organism	Gene ID	UniProt ID
Human	<a href="#">5552</a> ;	<a href="#">P10124</a> ;
Mouse	<a href="#">19073</a> ;	<a href="#">P13609</a> ;
Rat	<a href="#">56782</a> ;	<a href="#">P04917</a> ;

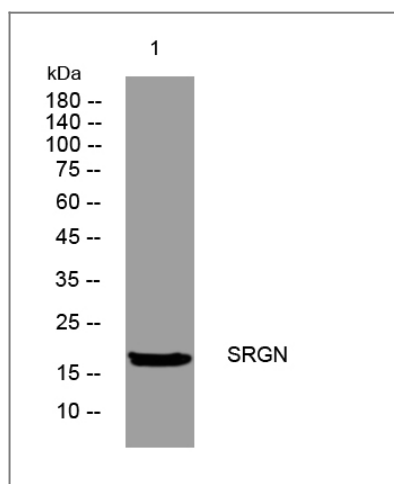
**Cellular Localization**

Cytoplasmic granule . Cytolytic granule . Secreted, extracellular space . Golgi apparatus . 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). .

**Function**

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.,induction:By EBV.,PTM:O-glycosylated; contains chondroitin sulfate and heparan sulfate.,similarity:Belongs to the serglycin family.,subcellular location:Found in mast cell granules and in cytoplasmic granules of cytolytic T lymphocytes from where it is secreted upon cell activation. Secreted constitutively by endothelial cells and macrophages. Located to Golgi apparatus during neutrophil differentiation.,subunit:Binds to activated CD44 and to GZMB.,

## Validation Data



Western blot analysis of lysates from VEC cells, primary antibody was diluted at 1:1000, 4°C over night

## Contact information

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**SRGN Rabbit pAb**

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