



[Go to Product page](#)

Datasheet for ABIN1404995

## anti-SERPINE2 antibody (AA 301-398) (AbBy Fluor® 555)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | SERPINE2  |
| Binding Specificity: | AA 301-398  |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This SERPINE2 antibody is conjugated to AbBy Fluor® 555                         |
| Application:         | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | KLH conjugated synthetic peptide derived from human GDN/SERPINE2 |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Purification:     | Purified by Protein A.   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | SERPINE2  |
| Alternative Name: | GDN ( <a href="#">SERPINE2 Products</a> )   |
| Background:       | Synonyms: Glia derived nexin, Protease inhibitor 7, GDN, GDN_HUMAN, Glia-derived nexin, P17 antibody Peptidase inhibitor 7, Pi-7, Plasminogen activator inhibitor type 1, member 2, PN-1, |

## Target Details

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PN1, PNI, Protease nexin 1, Protease nexin I, Serpin E2, Serpin peptidase inhibitor, clade E nexin, plasminogen activator inhibitor type 1, member 2, SERPINE 2, Serpine2.

Background: The serine protease inhibitors (serpins) compose a superfamily of proteins with a diverse set of functions, including the control of blood coagulation, complement activation, programmed cell death and development. Serpins are secreted glycoproteins that contain a stretch of peptide that mimics a true substrate for a corresponding serine protease. Protease nexin-1 (PN-1) is a serpin that inactivates several proteases, including thrombin, urokinase, plasminogen activators (PA) and plasmin. It is involved in tissue remodeling, cellular invasiveness, matrix degradation and tumor growth. PN-1 expression is abundant in the nervous system, where it inhibits thrombin, thereby playing a role in neural injury and repair processes. An imbalance between PN-1 and thrombin may be a contributing factor in the pathology of Alzheimer's disease.

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Gene ID: 5270

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UniProt: [P07093](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months