

Datasheet for ABIN1404994

anti-SERPINE2 antibody (AA 301-398) (Alexa Fluor 488)



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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 Alexa Fluor 488
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 (SERPINE2 Products)
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

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.

Gene ID: 5270

UniProt: [P07093](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Storage: -20 °C

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

Expiry Date: 12 months