

Rabbit SERPINB5 Polyclonal Antibody | anti-SERPINB5 antibody

SERPINB5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326092	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SERPINB5; Polyclonal Antibody; SERPINB5 Antibody; Maspin; Ovalbumin; Peptidase inhibitor 5; PI-5; PI5; protease inhibitor 5 (maspin); Protease inhibitor 5; Serine (or cysteine) peptidase inhibitor; clade B; member 5; serine (or cysteine) proteinase inhibitor; clade B (ovalbumin); Serpin B5; serpin family B member 5; Serpin peptidase inhibitor; Serpinb5; SPB5_HUMAN; Spi5; Spi7; anti-SERPINB5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SERPINB5 antibody detects endogenous levels of total SERPINB5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-SERPINB5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SERPINB5
Subcellular Location	Secreted > Extracellular Space.
Tissue Specificity	Normal mammary epithelial cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (91%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326092 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of SERPINB5 expression in Mouse muscle lysate



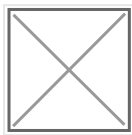
WB (Western Blot)

Western blot analysis of SERPINB5 expression in Mouse brain lysate



WB (Western Blot)

Western blot analysis of HT-29 using SERPINB5 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326092 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINB5 antibody	Description: Maspin (SERPINB5) was discovered as a mammary tumor suppressor that is expressed in normal mammary epithelium but lost in most breast cancer cell lines (1). While maspin is related to the serpin family of serine protease inhibitors, it may not function as a protease inhibitor (2). It plays an essential role in embryonic development through critical roles in cell adhesion (3). While the precise mechanism of maspin signaling is unclear (4), the tumor suppressing activity of maspin has been attributed to its ability to inhibit cell invasion/metastasis (5, 6) and angiogenesis (7), while promoting apoptosis (8). Nuclear translocation of active IKKalpha has been shown to repress maspin transcription and promote prostate cancer metastasis (9). Function: Tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity. Subunit Structure: Interacts with IRF6. Similarity: Belongs to the serpin family. Ov-serpin subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167860126
NCBI GeneID	5268
NCBI Accession #	NP_002630.2
NCBI GenBank Nucleotide #	NM_002639.4
UniProt Accession #	P36952; Q6N0B4; Q8WW89; B2R6Y4
Molecular Weight	Observed: 42 kDa Predicted: 43 kDa
NCBI Official Full Name	serpin B5
NCBI Official Synonym Full Names	serpin family B member 5

NCBI Official Symbol	SERPINB5
NCBI Official Synonym Symbols	PI5; maspin
NCBI Protein Information	serpin B5
UniProt Protein Name	Serpin B5
UniProt Gene Name	SERPINB5
UniProt Synonym Gene Names	PI5; PI-5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/serpinb5-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326092>