

## ARG58622 anti-SERPINB1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes SERPINB1
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SERPINB1
Species	Human
Immunogen	Synthetic peptide from the internal region of Human SERPINB1 (NP_109591.1). (C-KTINQWVKGQTEGK)
Conjugation	Un-conjugated
Alternate Names	EI; LEI; ELANH2; Monocyte/neutrophil elastase inhibitor; Leukocyte elastase inhibitor; M/NEI; Serpin B1; MNEI; PI-2; PI2; Peptidase inhibitor 2; HEL57

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.5 - 2 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 42 - 45 kDa	

### Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

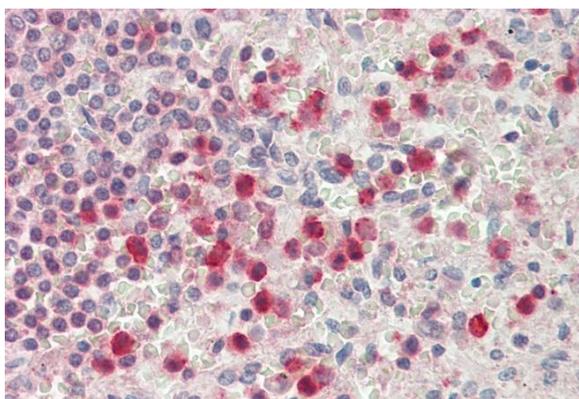
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

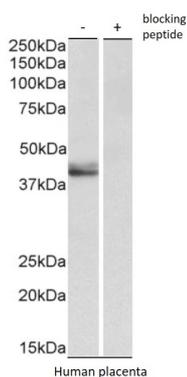
Gene Symbol	SERPINB1
Gene Full Name	serpin peptidase inhibitor, clade B (ovalbumin), member 1
Background	The protein encoded by this gene is a member of the serpin family of proteinase inhibitors. Members of this family maintain homeostasis by neutralizing overexpressed proteinase activity through their function as suicide substrates. This protein inhibits the neutrophil-derived proteinases neutrophil elastase, cathepsin G, and proteinase-3 and thus protects tissues from damage at inflammatory sites. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
Function	Regulates the activity of the neutrophil proteases elastase, cathepsin G, proteinase-3, chymase, chymotrypsin, and kallikrein-3. Also functions as a potent intracellular inhibitor of granzyme H. [UniProt]
Calculated Mw	43 kDa

## Images



ARG58622 anti-SERPINB1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG58622 anti-SERPINB1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG58622 anti-SERPINB1 antibody WB image

Western blot: 35 µg of Human placenta lysate (in RIPA buffer) without blocking peptide (-) or with blocking peptide (+). The blots were stained with ARG58622 anti-SERPINB1 antibody at 0.5 µg/ml dilution. Primary incubation was 1 hour. Detected by chemiluminescence.