

Rabbit SERPINH1 Polyclonal Antibody | anti-SERPINH1 antibody

SERPINH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326729	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

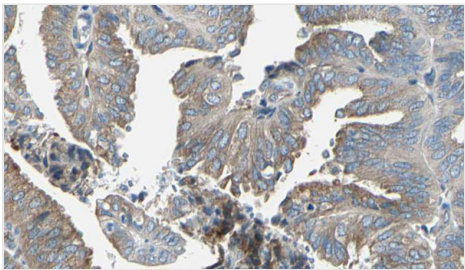
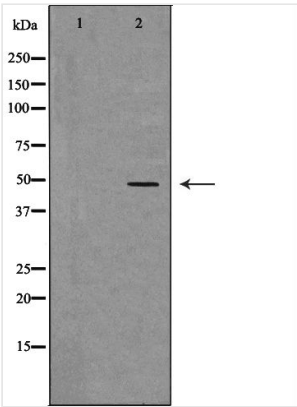
PRODUCT SYNONYMS

SERPINH1; Polyclonal Antibody; SERPINH1 Antibody; 47 kDa heat shock protein; 47 kDa heat shock protein precursor; Arsenic transactivated protein 3; Arsenic-transactivated protein 3; AsTP 3; AsTP3; CBP 1; CBP 2; CBP1; CBP2; Cell proliferation-inducing gene 14 protein; Collagen binding protein 1; Collagen binding protein 2; Collagen binding protein; Collagen-binding protein 2; Collagen-binding protein; Colligen; Colligin 1; Colligin 2; Colligin; colligin-1; colligin-2; gp46; Heat shock protein 47; Heat-shock protein 47; HGNC 1547; Hsp 47; J6; OI10; PIG 14; PIG14; PPROM; Proliferation inducing gene 14; Proliferation inducing gene 14 protein; RA A47; RA-A47; Rheumatoid arthritis antigen A 47; rheumatoid arthritis antigen A-47; Rheumatoid arthritis related antigen RA A47; Rheumatoid arthritis-related antigen RA-A47; serine (or cysteine) proteinase inhibitor; clade H (heat shock protein 47); member 1; (collagen binding protein 1); member 2; (collagen-binding protein 2); Serine or cysteine proteinase inhibitor clade H member 1; Serine or cysteine proteinase inhibitor clade H member 2; SERPH_HUMAN; Serpin H1; Serpin peptidase inhibitor clade H member 1; serpin peptidase inhibitor; Serpin peptidase inhibitor; clade H; SERPINH2; anti-SERPINH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SERPINH1 antibody detects endogenous levels of total SERPINH1
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	418
Applicable Applications for anti-SERPINH1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SERPINH1
Subcellular Location	Endoplasmic Reticulum Lumen.
Tissue Specificity	By heat shock.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326729 at 1/100 staining Human cervical cancer 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.

WB (Western Blot)
Western blot analysis of HepG2 cell lysate, using SERPINH1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINH1 antibody	Description: This gene encodes a member of the serpin superfamily of serine proteinase inhibitors. The encoded protein is localized to the endoplasmic reticulum and plays a role in collagen biosynthesis as a collagen-specific molecular chaperone. Autoantibodies to the encoded protein have been found in patients with rheumatoid arthritis. Expression of this gene may be a marker for cancer, and nucleotide polymorphisms in this gene may be associated with preterm birth caused by preterm premature rupture of membranes. Alternatively spliced transcript variants have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9. Function: Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen. Similarity: Belongs to the serpin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	333360851
NCBI GeneID	871
NCBI Accession #	NP_001193943.1
NCBI GenBank Nucleotide #	NM_001207014.1
UniProt Accession #	P50454; P29043; Q5XPB4; Q6NSJ6; Q8IY96; Q9NP88; B3KVJ3
Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
NCBI Official Full Name	serpin H1
NCBI Official Synonym Full Names	serpin family H member 1
NCBI Official Symbol	SERPINH1
NCBI Official Synonym Symbols	CBP1; CBP2; OI10; gp46; AsTP3; HSP47; PIG14; PPR0M; RA-A47; SERPINH2
NCBI Protein Information	serpin H1
UniProt Protein Name	Serpin H1
UniProt Gene Name	SERPINH1
UniProt Synonym Gene Names	CBP1; CBP2; HSP47; SERPINH2; AsTP3; Colligin

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.

