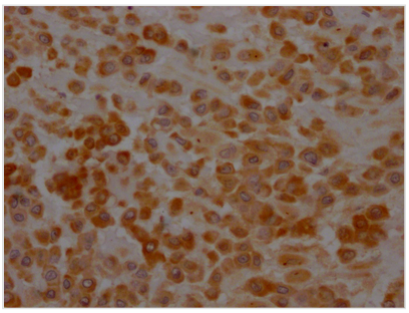
SERPINH1 Antibody

Product Code	CSB-RA699016A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P50454
Immunogen	A synthesized peptide derived from human Hsp47
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Signal transduction
Gene Names	SERPINH1
Accession NO.	10B2

Image



IHC image of CSB-RA699016A0HU diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

SERPINH1 codes for HSP47, a chaperone located in the endoplasmic reticulum that is involved in collagen biosynthesis. Aberrant expression of SERPINH1 has been observed in several human cancers. It has been demonstrated that high expression of SERPINH1 apparently lowered the overall survival (OS),disease-specific survival, and progression-free interval in some certain cancer types. Upregulation of the SERPINH1 gene is linked to poor prognosis in breast

cancer, stomach adenocarcinoma, and esophageal carcinoma.

The main steps in the production of this SERPINH1 recombinant antibody include immunization; harvest of positive spleen cells; obtaining the antibody sequence by screening and sequencing; expression of the target antibody in mammalian cells; purification. The SERPINH1 antibody was produced recombinantly and has many advantages: high reproducibility, specificity and scalability. And has been validated in ELISA, IHC.