

SERPINB5 Antibody

Catalog No: #32208

Package Size: #32208-1 50ul #32208-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

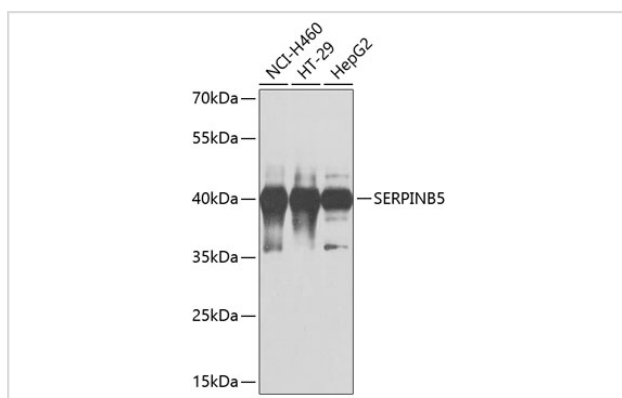
Description

Product Name	SERPINB5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human, Mouse
Specificity	The antibody detects endogenous level of total SERPINB5 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human SERPINB5.
Target Name	SERPINB5
Other Names	SERPINB5; PI5; maspin;
Accession No.	Swiss-Prot:P36952NCBI Gene ID:5268
Uniprot	P36952
GeneID	5268;
SDS-PAGE MW	42KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using SERPINB5 at 1:1000 dilution.

Background

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 IKK α has been shown to repress maspin transcription and promote prostate cancer metastasis (9).

Note: This product is for in vitro research use only