

MASPIN Polyclonal Antibody | anti-MASPIN antibody

Anti-MASPIN Antibody

CATALOG # AAA46525	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunocytochemistry, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

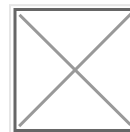
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	375
Applicable Applications for anti-MASPIN antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human MASPIN recombinant protein (Position: M1-A350). Human MASPIN shares 88% and 89% amino acid (aa) sequence identity with mouse and rat MASPIN, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



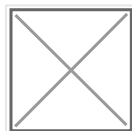
ICC (Immunocytochemistry)

Anti- MASPIN Picoband antibody, AAA46525, ICCICC: MCF-7 Cell



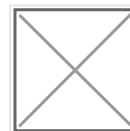
IHC (Immunohistochemistry)

Anti- MASPIN Picoband antibody, AAA46525, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)

Anti- MASPIN Picoband antibody, AAA46525, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti- MASPIN Picoband antibody, AAA46525, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti- MASPIN Picoband antibody, AAA46525, Western blottingAll lanes: Anti MASPIN (AAA46525) at 0.5ug/mlLane 1: Mouse Intestine Tissue Lysate at 50ugLane 2: Human Placenta Tissue Lysate at 50ugLane 3: MCF-7 Whole Cell Lysate at 40ugLane 4: MM231 Whole Cell Lysate at 40ugPredicted bind size: 42KDObserved bind size: 42KD

ADDITIONAL INFORMATION

Related Product Information for anti-MASPIN antibody	Description: Rabbit IgG polyclonal antibody for Serpin B5(SERPINB5) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat. Background: SERPINB5 is also known as PI5 or maspin. Maspin (mammary serine protease inhibitor) is a protein that in humans is encoded by the SERPINB5 gene. Maspin is expressed in the skin, prostate, testis, intestine, tongue, lung, and the thymus. Maspin is a member of the serpin superfamily of serine protease inhibitors.[1] The primary function of most members of this family is to regulate the breakdown of proteins by inhibiting the catalytic activity of proteinases. Through this mechanism of action, serpins regulate a number of cellular processes includingphagocytosis, coagulation, and fibrinolysis.
References	1. Blandamura S, et al. Maspin expression, subcellular localization and clinicopathological correlation in endometrial hyperplasia and endometrial adenocarcinoma. Histol Histopathol, 2014 Jun. 2. Taskiran C, et al. Maspin expression in endometrial hyperplasia and carcinoma, and its relation with angiogenesis. Eur J Gynaecol Oncol, 2014. 3. Triulzi T, et al. Maspin influences response to doxorubicin by changing the tumor microenvironment organization. Int J Cancer, 2014 Jun 15.

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	25,763 Da
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
UniProt Entry Name	SPB5_HUMAN

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.