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anti-SERPINB5 antibody (AA 1-350)



2

Publications



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Quantity:	100 μg
Target:	SERPINB5
Binding Specificity:	AA 1-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Serpin B5(SERPINB5) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Serpin B5(SERPINB5) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: serpin peptidase inhibitor, clade B (ovalbumin), member 5 Protein Name: Serpin B5

Product Details Purification: Immunogen affinity purified. **Target Details** Target: SERPINB5 Alternative Name SERPINB5 (SERPINB5 Products) 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. Synonyms: mammary serine proteinase inhibitor antibody|Maspin antibody|Ovalbumin antibody|Peptidase inhibitor 5 antibody|PI-5 antibody|PI5 antibody|Protease inhibitor 5 antibody|Serine (or cysteine) peptidase inhibitor, clade B, member 5 antibody|Serpin B5 antibody|serpin peptidase inhibitor antibody|Serpin peptidase inhibitor, clade B (ovalbumin), member 5 antibody|SERPINB5 antibody|SPB5_HUMAN antibody|Spi5 antibody|Spi7 antibody Gene ID: 5268 UniProt: P36952 Pathways: p53 Signaling **Application Details Application Notes:** WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for MASPIN is approximately 0.1 ng/lane under reducing conditions. IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

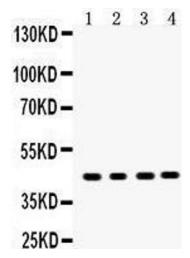
ABIN921231 in IHC(P) and ICC.

Application Details

Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.	
Publications		
Product cited in:	Xu, Tang, Li, Shi, Chen, Liang: "Positional and expressive alteration of prohibitin during the	

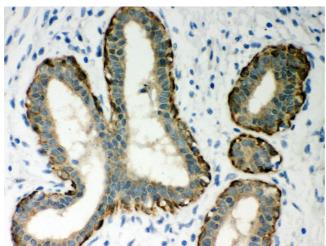
induced differentiation of human hepatocarcinoma SMMC-7721 cells." in: World journal of

gastroenterology, Vol. 14, Issue 32, pp. 5008-14, (2008) (PubMed).



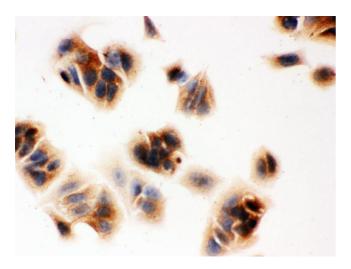
Western Blotting

Image 1. Anti- MASPIN Picoband antibody, Western blotting All lanes: Anti MASPIN at 0.5ug/ml Lane 1: Mouse Intestine Tissue Lysate at 50ug Lane 2: Human Placenta Tissue Lysate at 50ug Lane 3: MCF-7 Whole Cell Lysate at 40ug Lane 4: MM231 Whole Cell Lysate at 40ug Predicted bind size: 42KD Observed bind size: 42KD



Immunohistochemistry

Image 2. Anti- MASPIN Picoband antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue



Immunohistochemistry

Image 3. Anti- MASPIN Picoband antibody, ICC ICC: MCF-7 Cell

Please check the product details page for more images. Overall 5 images are available for ABIN3043330.