

Datasheet for ABIN7599298
anti-SERPINB5 antibody (AA 1-350)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SERPINB5
Binding Specificity:	AA 1-350
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SERPINB5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MASPIN Antibody Picoband® (monoclonal, 7G4E1)
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.
Clone:	7G4E1
Isotype:	IgG2a
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MASPIN Antibody Picoband® (monoclonal, 7G4E1) (ABIN7599298). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing

Product Details

antibodies are designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: SERPINB5

Alternative Name: SERPINB5 ([SERPINB5 Products](#))

Background: Synonyms: Cadherin-3, Placental cadherin, P-cadherin, CDH3, CDHP
Tissue Specificity: Expressed in some normal epithelial tissues and in some carcinoma cell lines.
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 including phagocytosis, coagulation, and fibrinolysis.

Molecular Weight: 42 kDa

Gene ID: 5268

UniProt: [P36952](#)

Pathways: [p53 Signaling](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human
Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
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.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.