

Mouse anti-Human Maspin Monoclonal Antibody | anti-SERPINB5 antibody

Maspin

CATALOG # AAA59293	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Maspin; Monoclonal Antibody; anti-SERPINB5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	BSB-92
Sequence Length	375
Applicable Applications for anti-SERPINB5 antibody	IHC (Immunohistochemistry)
Localization	Cytoplasmic, Nuclear
Control	Prostate, Breast, Tonsil
Presentation	Maspin is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Precautions	1. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent. 2. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents. 3. Dispose of unused solution with copious amount of water. 4. Do not ingest reagent. If reagent is ingested, seek medical advice immediately. 5. Avoid contact with eyes. If contact occurs, flush with large quantities of water. 6. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar). 7. For additional safety information refer to Safety Data Sheet for this product. 8. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and Animal Laboratories" (see References in this document).

Staining Procedure	1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positively charged slides such as Hydrophilic Plus Slides. 2. Air dry for 2 hours at 58° C. 3. Deparaffinize, dehydrate and rehydrate tissues. 4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate or EDTA. 5. Any of three heating methods may be used: a. TintoRetriever Pressure Cooker or Equivalent Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature. b. TintoRetriever PT Module or Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes. c. Conventional Steamer Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes. 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes. 7. For manual staining, perform antibody incubation at ambient temperature. For automated staining methods, perform antibody incubation according to instrument manufacturer's instructions. 8. Wash slides with ImmunoDNA washer or DI water. 9. Continue IHC staining protocol. Wash slides between each step with ImmunoDNA washer solution.
Mounting Protocols	For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter or organic solvent based resin such as PermaMounter, please inquire.
Preparation and Storage	Store at 2-8°C (Control Slides: Store at 20-25°C)

IMAGES



IHC (Immunohistochemistry)
Abbreviated Immunohistochemical Protocol



IHC (Immunohiostchemistry)
IHC of Maspin on an FFPE Tissue



Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINB5 antibody	Maspin (mammary serine protease inhibitor) is a protein that in humans is encoded by the SERPINB5 gene. This protein belongs to the serpin (serine protease inhibitor) superfamily. SERPINB5 was originally reported to function as a tumor suppressor gene in epithelial cells, suppressing the ability of cancer cells to invade and metastasize to other tissues. Maspin has been shown in primary breast cancer to be regulated by wild-type p53, defining a new category of molecular targets of p53 that have the potential to negatively regulate tumor invasion and metastasis. Loss of Maspin expression correlates with increased tumor aggressiveness and poor prognosis in advanced breast and prostate cancer. In contrast, Maspin has been shown to be overexpressed in pancreatic, ovarian, thyroid, gastric, lung, bladder, breast, skin and colon cancer. Several studies have investigated the prognostic significance of Maspin expression in lung cancer. In primary non-small cell lung cancer (NSCLC) was an independent negative prognostic factor for overall survival, whereas strong nuclear Maspin expression was associated with increased overall and disease-free survival in patients with resectable NSCLC.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	453369
NCBI GeneID	5268
Molecular Weight	25,763 Da
NCBI Official Full Name	maspin
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/maspin-antibody-clone-bsb-92-immunohistochemistry-elisa/59293>