

Mouse TMPRSS2 Monoclonal Antibody | anti-TMPRSS2 antibody

TMPRSS2 (BSB-136)

CATALOG # AAA59347	HOST Mouse	REACTIVITY Human, Mouse, Rat
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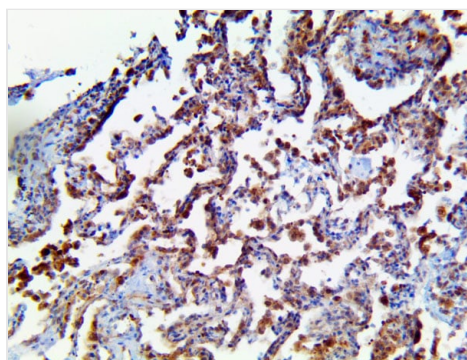
PRODUCT SYNONYMS

TMPRSS2; Monoclonal Antibody; TMPRSS2 (BSB-136); tmprss2; tmp-rss2; anti-tmprss2; Transmembrane Serine Protease 2; erg-tmprss2; tmprss2 antibody; tmprss2 ihc; tmprss2 immunohistochemistry; cytokine storm; cytokine storm syndrome; cytokine storm antibody; cytokine storm antibodies; sars-cov-2 receptors; sars cov-2 receptors; covid-19 receptors; sars-cov-2 antibodies sars-cov-2 ihc; sars-cov-2 immunohistochemistry; H4; H 4; anti-TMPRSS2; anti TMPRSS2; PRSS10; Transmembrane protease serine 2; anti-PRSS10; anti PRSS10; anti-Transmembrane protease serine 2; anti Transmembrane protease serine 2; COVID; COVID-19; COVID19; anti-TMPRSS2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSB-136
Form/Format	Paraffin, Frozen TMPRSS2 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to residues in the internal region of the human TMPRSS2 protein.
Control	Testis, Colon, Kidney, Brain, Stomach. Pancreas, Prostate
Localization	Nuclear, Membranous
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



Dilution Info

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

IHC (Immunohistochemistry)

TMPRSS2 Antibody Immunohistochemistry on a FFPE SARS-CoV-2 Infected Lung Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-TMPRSS2 antibody	Transmembrane Serine Protease 2 is part of the serine protease family, which is active in many physiological and pathological pathways. TMPRSS2 is a 492 amino acid protein, containing a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain, and a protease domain. It is upregulated by androgen hormones particularly in the prostate, where it may contribute to inflammation by activating PAR2 and prostate cancer through somatic rearrangement. TMPRSS2 antibody is also expressed in the GI tract, stomach, kidney and in the lung epithelium, where it may cleave epithelial sodium channels. The TMPRSS2-ERG fusion pair is a common somatic gene rearrangement occurring in about 50% of primary prostate cancers. TMPRSS2 antibody positive tumors may be at higher risk for metastasis and influence from hormones, with a different androgen metabolism and higher insulin signaling than negative tumors. The protease domain also proteolytically cleaves and activates viral envelope glycoproteins, facilitating the cellular entry of human influenza and coronaviruses such as SARS-CoV-2.
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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/tmpRSS2-antibody-clone-bsb-136-elisa/59347>