BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TMPRSS2 Rabbit Monoclonal Antibody

Catalog Number: M00666

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Overview

Product Name	Anti-TMPRSS2 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TMPRSS2 Rabbit Monoclonal Antibody catalog # M00666. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal 23T34
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O15393

Technical Details

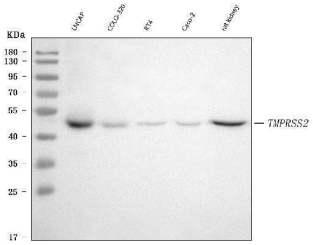
Immunogen	A synthesized peptide derived from human TMPRSS2
Isotype	IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

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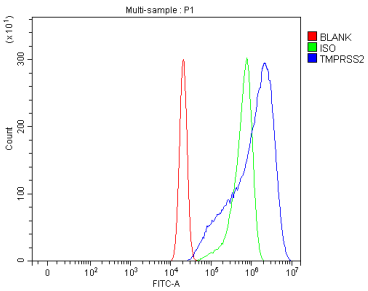
	IHC 1:50-200 ICC/IF 1:50-200 FC 1:60

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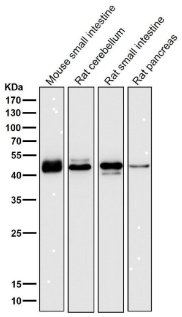
Anti-TMPRSS2 Rabbit Monoclonal Antibody (M00666) Images



Western blot analysis of TMPRSS2 using anti-TMPRSS2 antibody (M00666). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human LNCAP whole cell lysates, Lane 2: human COLO-320 whole cell lysates, Lane 3: human RT4 whole cell lysates, Lane 4: human Caco-2 whole cell lysates, Lane 5: rat kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TMPRSS2 antigen affinity purified monoclonal antibody (Catalog # M00666) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for TMPRSS2 at approximately 54 kDa. The expected band size for TMPRSS2 is at 54 kDa.



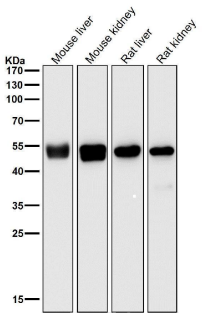
Flow Cytometry analysis of U2OS cells using anti-TMPRSS2 antibody (M00666). Overlay histogram showing U2OS cells stained with M00666 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-TMPRSS2 Antibody (M00666) at 1:60 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) at 1:60 was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:60 used under the same conditions. Unlabelled sample (Red line) was also used as a control.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

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For Research Use Only. Not for use in diagnostic procedures.