

Recombinant TMPRSS2 Monoclonal Antibody

catalog number: **AN301677L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

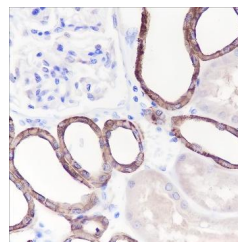
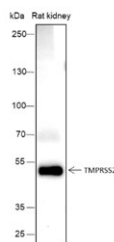
Description

Reactivity	Human;Rat;
Immunogen	Recombinant human TMPRSS2 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A380
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

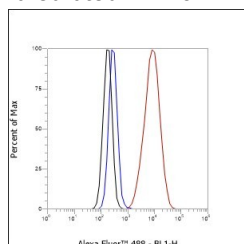
Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50-1:100
FCM	1:50-1:100

Data



Western Blot with TMPRSS2 Monoclonal Antibody at dilution of 1:1000. Lane 1: Rat kidney
using TMPRSS2 Monoclonal Antibody at dilution of 1:100.

Observed-MW:52 kDa
Calculated-MW:54 kDa



Flow cytometric analysis of human TMPRSS2 expression on LNCaP cells. Cells were stained with purified anti-Human TMPRSS2, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.0

Plasma membrane-anchored serine protease that participates in proteolytic cascades of relevance for the normal physiologic function of the prostate. Androgen-induced TMPRSS2 activates several substrates that include pro-hepatocyte growth factor/HGF, the protease activated receptor-2/F2RL1 or matriptase/ST14 leading to extracellular matrix disruption and metastasis of prostate cancer cells.