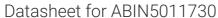
antibodies .- online.com





anti-TMPRSS2 antibody (AA 301-400) (AbBy Fluor® 680)



Go to Product page

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|-----|--------|--------|-------------|
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| | | | |

| Quantity: | 100 μL |
|----------------------|--|
| Target: | TMPRSS2 |
| Binding Specificity: | AA 301-400 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TMPRSS2 antibody is conjugated to AbBy Fluor® 680 |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | KLH conjugated synthetic peptide derived from human TMPRSS2 |
|-----------------------|---|
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Cow,Sheep,Pig |
| Purification: | Purified by Protein A. |

Target Details

| Target: | TMPRSS2 | |
|-------------------|---|--|
| Alternative Name: | TMPRSS2 (TMPRSS2 Products) | |
| Background: | d: Synonyms: PP9284, PRSS10, Transmembrane protease serine 2, Serine protease 10, TMPRS | |

Background: Serine protease that proteolytically cleaves and activates the viral spike glycoproteins which facilitate virus-cell membrane fusions, spike proteins are synthesized and maintained in precursor intermediate folding states and proteolysis permits the refolding and energy release required to create stable virus-cell linkages and membrane coalescence.

Facilitates human SARS coronavirus (SARS-CoV) infection via two independent mechanisms, proteolytic cleavage of ACE2, which might promote viral uptake, and cleavage of coronavirus spike glycoprotein which activates the glycoprotein for cathepsin L-independent host cell entry.

Proteolytically cleaves and activates the spike glycoproteins of human coronavirus 229E (HCoV-229E) and human coronavirus EMC (HCoV-EMC) and the fusion glycoproteins F0 of Sendai virus (SeV), human metapneumovirus (HMPV), human parainfluenza 1, 2, 3, 4a and 4b viruses (HPIV). Essential for spread and pathogenesis of influenza A virus (strains H1N1, H3N2 and H7N9), involved in proteolytic cleavage and activation of hemagglutinin (HA) protein which is essential for viral infectivity.

Gene ID: 7113

Pathways: SARS-CoV-2 Protein Interactome

015393

Application Details

UniProt:

Application Notes: IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 1 μg/μL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |

Handling

| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
|------------------|---|
| Expiry Date: | 12 months |