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Datasheet for ABIN2807089

## anti-TMPRSS5 antibody (AA 161-260) (Alexa Fluor 594)

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | TMPRSS5  |
| Binding Specificity: | AA 161-260   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This TMPRSS5 antibody is conjugated to Alexa Fluor 594   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human TMPRSS5 |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse                     |
| Purification:         | Purified by Protein A.                                      |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | TMPRSS5   |
| Alternative Name: | TMPRSS5 ( <a href="#">TMPRSS5 Products</a> )                                |
| Background:       | Synonyms: Spinesin, TMPRSS 5, TMPRSS-5, TMPRSS5, TMPS5_HUMAN, Transmembrane |

## Target Details

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protease serine 5, Transmembrane protease, serine 5 spinesin, Transmembrane protease, serine 5, MGC141886, MGC148044, OTTHUMP00000238209, OTTHUMP00000238210, OTTHUMP00000238211, OTTHUMP00000238212, OTTHUMP00000238213.

Background: Extracellular proteases mediate the digestion of neighboring extracellular matrix components in initial tumor growth, allow desquamation of tumor cells into the surrounding environment, provide the basis for invasion of basement membranes in targeted metastatic organs and are required for release and activation of many growth and angiogenic factors.

TMPRSS5 (transmembrane protease, serine 5), also known as spinesin, is a 457 amino acid single-pass type II membrane protein that is expressed specifically in brain and is thought to play a role in hearing. A member of the peptidase S1 family, TMPRSS5 contains one peptidase S1 domain and an SRCR domain, and is encoded by a gene that maps to human chromosome 11q23.2. Defects in the gene encoding TMPRSS5 are associated with deafness.

## Application Details

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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

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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

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

Expiry Date: 12 months