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Datasheet for ABIN5006592

anti-TMPRSS6 antibody (AA 711-811) (Alexa Fluor 750)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | TMPRSS6 |
| Binding Specificity: | AA 711-811 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TMPRSS6 antibody is conjugated to Alexa Fluor 750 |
| 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 Matriptase 2 |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Chicken |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|--|
| Target: | TMPRSS6 |
| Alternative Name: | Matriptase 2 (TMPRSS6 Products) |
| Background: | Synonyms: Matriptase-2, Matriptase2, Membrane type serine proteinase 2, MTSP 2, MTSP2, |

Target Details

PVAE354, TMPRSS 6, TMPRSS6, TMPS6_HUMAN, TMSP 6, TMSP6, Transmembrane protease serine 6, Type II Membrane Serine Proteinase 6.

Background: Serine protease which hydrolyzes a range of proteins including type I collagen, fibronectin and fibrinogen. Can also activate urokinase-type plasminogen activator with low efficiency. May play a specialized role in matrix remodeling processes in liver. Required to sense iron deficiency. Overexpression suppresses activation of the HAMP promoter. Involvement in disease: Defects in TMPRSS6 are the cause of iron-refractory iron deficiency anemia (IRIDA), also known as hypochromic microcytic anemia with defect in iron metabolism or hereditary iron-handling disorder or pseudo-iron-deficiency anemia. Key features include congenital hypochromic microcytic anemia, very low mean corpuscular erythrocyte volume, low transferrin saturation, abnormal iron absorption characterized by no hematologic improvement following treatment with oral iron, and abnormal iron utilization characterized by a sluggish, incomplete response to parenteral iron.

Gene ID: 164656

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

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

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

Handling

Expiry Date: 12 months