Datasheet for ABIN1432302

anti-TMPRSS6 antibody (PE)

Go to Product page

Overview

Quantity:	100 µL
Target:	TMPRSS6
Reactivity:	Human, Mouse, Rat, Cow, Dog, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMPRSS6 antibody is conjugated to PE
Application:	Western Blotting (WB)

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, 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,

Target Details

	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.
Molecular Weight:	89kDa
Gene ID:	164656
Pathways:	Transition Metal Ion Homeostasis

Application Details

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:	Sodium azide
Precaution of Use:	This product contains sodium azide: 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