

**TM4SF5 polyclonal antibody**

Catalog: BS34818

Host: Rabbit

Reactivity: Human

BackGround:

Transmembrane 4 L6 family member 5: Acts as a lysosomal membrane arginine sensor . Forms a complex with MTOR and SLC38A9 on lysosomal membranes in an arginine-regulated manner, leading to arginine efflux which enables the activation of mTORC1 which subsequently leads to RPS6KB1 and EIF4EBP1 phosphorylations . Facilitates cell cycle G1/S phase progression and the translocation of the CDK4-CCND1 complex into the nucleus . CDKN1B and RHOA/ROCK signaling activity are involved in TM4SF5-mediated acceleration of G1/S phase progression

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~20.8 kDa

Swiss-Prot:

O14894

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of TM4SF5 protein

DATA:

Western blot analysis of HAX1 expression in MCF7 (A), HepG2 (B), mouse kidney (C), mouse brain (D) whole cell lysates.

Immunofluorescent analysis of HAX1 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

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