

**SLC39A10 polyclonal antibody**

Catalog: BS33115

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Zinc transporter ZIP10: Zinc-influx transporter . When associated with SLC39A6, the heterodimer formed by SLC39A10 and SLC39A6 mediates cellular zinc uptake to trigger cells to undergo epithelial-to-mesenchymal transition (EMT) . SLC39A10-SLC39A6 heterodimers play also an essential role in initiating mitosis by importing zinc into cells to initiate a pathway resulting in the onset of mitosis . Plays an important for both mature B-cell maintenance and humoral immune responses (By similarity). When associated with SLC39A10, the heterodimer controls NCAM1 phosphorylation and integration into focal adhesion complexes during EMT (By similarity)

Product:

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

Molecular Weight:

~94.1 kDa

Swiss-Prot:

Q9ULF5

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 SLC39A10 protein

DATA:

Western blot analysis of B-RAF (Phospho-T401) expression in Hela (A), K562 (B), A431 (C) whole cell lysates.

Immunofluorescent analysis of B-RAF (Phospho-T401) staining in MCF7 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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