HEPH polyclonal antibody

Catalog: BS34616 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Hephaestin: Plasma membrane ferroxidase that mediates the extracellular conversion of ferrous/Fe(2+) iron into its ferric/Fe(3+) form. Couples ferroportin which specifically exports ferrous/Fe(2+) iron from cells to transferrin that only binds and shuttles extracellular ferric/Fe(3+) iron throughout the body . By helping iron transfer from cells to blood mainly contributes to dietary iron absorption by the intestinal epithelium and more generally regulates iron levels in the body (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:

~130 kDa

Swiss-Prot:

Q9BQS7

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of HEPH protein

DATA:

Western blot analysis of CD7 expression in human PBMC (A) whole cell lysates.

Immunofluorescent analysis of CD7 staining in MOLT4 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 ℃ in a hidified chamber. Cells were washed with PBST and incubated with an 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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