

**ATRAID polyclonal antibody**

Catalog: BS33117

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

All-trans retinoic acid-induced differentiation factor: Promotes osteoblast cell differentiation and terminal mineralization. Plays a role in inducing the cell cycle arrest via inhibiting CCND1 expression in all-trans-retinoic acid (ATRA) signal pathway. In osteoclasts, forms a transporter complex with ATRAID for nitrogen-containing-bisphosphonates (N-BPs) required for releasing N-BP molecules that have trafficked to lysosomes through fluid-phase endocytosis into the cytosol

Product:

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

Molecular Weight:

~24.7 kDa

Swiss-Prot:

Q6UW56

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 ATRAID protein

DATA:

Western blot analysis of AIFM1 expression in K562 (A) whole cell lysates.

Immunofluorescent analysis of AIFM1 staining in K562 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 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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