

**PTPRQ polyclonal antibody**

Catalog: BS35545

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Phosphatidylinositol phosphatase PTPRQ: Dephosphorylates phosphatidylinositol phosphates, such as phosphatidylinositol 3,4,5-trisphosphate (PIP3) and phosphatidylinositol 3,5-diphosphates, with preference for PIP3. Phosphate can be hydrolyzed from the D3 and D5 positions in the inositol ring. Has low tyrosine-protein phosphatase activity in vitro; however, the relevance of such activity in vivo is unclear (By similarity). Plays an important role in adipogenesis of mesenchymal stem cells (MSCs). Regulates the phosphorylation state of AKT1 by regulating the levels of PIP3 in MSCs and preadipocyte cells. Required for hair bundle maturation, a process that enables hair cells to detect and transmit sound and balance signals effectively, therefore affecting auditory function. May act by regulating the level of phosphatidylinositol 4,5-bisphosphate (PIP2) level in the basal region of hair bundles (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:

~261 kDa

Swiss-Prot:

Q9UMZ3

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

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 PTPRQ protein

DATA:

Western blot analysis of CD13 expression in HepG2 (A) whole cell lysates.

Note:

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

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