



HRP polyclonal antibody

Catalog: BS31115

Host: Rabbit

Reactivity: N/A

BackGround:

Horseradish peroxidase (HRP) is a heme-containing enzyme isolated from the roots of horseradish (*Armoracia rusticana*) that catalyzes the oxidation of various substrates using hydrogen peroxide. HRP is widely used as a reporter enzyme in ELISA, Western blotting, immunohistochemistry and other immunoassays due to its small size, high stability and ease of conjugation to antibodies.

Product:

1mg/ml in 0.01M Phosphate Buffered Saline, pH 7.2, 50% glycerol, 0.05% Sodium Azide.

Molecular Weight:

~44 kDa (HRP)

Swiss-Prot:

Purification&Purity:

Protein G purified

Applications:

ELISA: Use at an assay dependent dilution.

Storage&Stability:

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

Specificity:

Reacts only with Horseradish Peroxidase.

DATA:

Western blot analysis of PTP1B expression in Jurkat (A), MCF7 (B) whole cell lysates.

Immunohistochemical analysis of PTP1B staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of PTP1B staining in Hela 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).

Flow cytometric analysis of Jurkat cells using Anti-PTP1B Antibody (green) and negative control (red).

Note:

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

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