

**PTPN2 polyclonal antibody**

Catalog: BS80366

Host: Rabbit

Reactivity: Human

BackGround:

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Refer to figures

Swiss-Prot:

P17706

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200

Storage&Stability:

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

Modification:

Unmodification

DATA:

Western blot analysis of extracts of Mouse testis, using PTPN2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3s.

Immunofluorescence analysis of A-549 cells using [KO Validated] PTPN2 Rabbit pAb at dilution of 1:250. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of HeLa cells using [KO Validated] PTPN2 Rabbit pAb at dilution of 1:250. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] PTPN2 Rabbit pAb at dilution of 1:250. Blue: DAPI for nuclear staining.

Note:

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

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