PTPN23
Polyclonal ANTIBODY
Catalog Number: 10472-1-AP

Basic Information
- **Catalog Number:** 10472-1-AP
- **Size:** 57 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG0765
- **GenBank Accession Number:** BC004881
- **GeneID (NCBI):** 25630
- **Full Name:** protein tyrosine phosphatase, non-receptor type 23
- **Calculated MW:** 179 kDa
- **Observed MW:** 179 kDa

Recommended Dilutions:
- **WB:** 1:500-1:2000
- **IP:** 0.5-4.0 μg for IP and 1:1000-1:1000 for WB
- **IHC:** 1:100-1:1000
- **IF:** 1:50-1:500

Applications
- **Tested Applications:** IF, IHC, IP, WB, ELISA
- **Cited Applications:** IF, IHC, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human

Background Information
PTPN23 (Tyrosine-protein phosphatase non-receptor type 23) is also named as HD-PTP, PTP-1D14, and KIAA1471. It encodes a 185-kDa protein which is expressed in human endothelial from the umbilical cord and in human Kaposi-spindle cells (PMID: 16408268). PTPN23 is a non-transmembrane protein tyrosine phosphatase which contributes to the signal transduction pathways involved in the regulation of cell migration and invasion (PMID: 22510412).

Notable Publications
- **Author:** Siwei Zhang
  - **Pubmed ID:** 29066500
  - **Journal:** Genes Dev
  - **Application:** WB, IHC
- **Author:** Nazim Ali
  - **Pubmed ID:** 23477725
  - **Journal:** Curr Biol
  - **Application:** WB
- **Author:** Deepankar Gahloth
  - **Pubmed ID:** 28602823
  - **Journal:** Structure
  - **Application:** WB

Storage
- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product, please contact:
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W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
A375 cells were subjected to SDS PAGE followed by western blot with 10472-1-AP(PTPN23 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP Result of anti-PTPN23 (IP:10472-1-AP, 5ug; Detection:10472-1-AP 1:500) with HeLa cells lysate 1000ug.

Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using 10472-1-AP(PTPN23 Antibody) at dilution of 1:200 (under 10x lens). heat mediated antigen retrieved with Tris-EDTA buffer(pH9).

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10472-1-AP(PTPN23 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).