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 1:100-1:1000 for WB
IHC 1:100-1:400
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-TD14 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

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<th>Author</th>
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<th>Application</th>
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<tr>
<td>Siwei Zhang</td>
<td>29066500</td>
<td>Genes Dev</td>
<td>WB, IHC</td>
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<td>Nazim Ali</td>
<td>23477725</td>
<td>Curr Biol</td>
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<tr>
<td>Deepankar Gahlot</td>
<td>28632823</td>
<td>Structure</td>
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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:
E: proteintech@ptglab.com
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).

Immunohistochemistry of paraffin-embedded human colon cancer tissue slide using 10472-1-AP (PTPN23 Antibody) at dilution of 1:200 (under 40x 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).