

Datasheet for ABIN1714283
anti-PTPN23 antibody (AA 1501-1636)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PTPN23
Binding Specificity:	AA 1501-1636
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN23 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HDPTP
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PTPN23
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Target Details

Alternative Name:	HDPTP (PTPN23 Products)
Background:	<p>Synonyms: DKFZP564F0923, EC 3.1.3.48, HD PTP, HD-PTP, HDPTP, His domain containing protein tyrosine phosphatase, His domain protein tyrosine phosphatase, His domain-containing protein tyrosine phosphatase, KIAA1471, Protein tyrosine phosphatase non receptor type 23, protein tyrosine phosphatase non-receptor type 23, Protein tyrosine phosphatase TD 14, protein tyrosine phosphatase TD14, PTN23_HUMAN, PTP TD14, PTP-TD14, PTPN 23, PTPN23, Tyrosine protein phosphatase non receptor type 23, Tyrosine-protein phosphatase non-receptor type 23.</p> <p>Background: HD-PTP is a 1,636 amino acid protein encoded by the human gene PTPN23. HD-PTP belongs to the protein-tyrosine phosphatase family, non-receptor class subfamily. It contains one BRO1 domain, two TPR repeats and one tyrosine-protein phosphatase domain. The C-terminal region contains the PTP-like domain, whereas the N-terminal region contains the two TPR regions. These regions are homologous to the yeast protein, BRO1, which is involved in the mitogen-activated protein kinase signaling pathway. Similarly, HD-PTP is believed to act as a negative regulator of Ras-mediated mitogenic activity and is phosphorylated upon DNA damage, probably by ATM or ATR. HD-PTP protein is differentially modulated by two angiogenic growth factors. While Vascular Endothelial Growth Factor (VEGF) has no affect on protein levels, Fibroblast Growth Factor-2 (FGF-2) induces HD-PTP degradation via the proteasome system.</p>
Gene ID:	25930

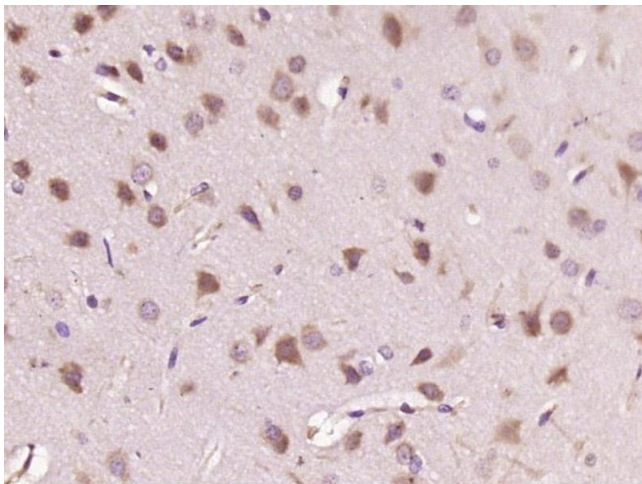
Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> <p>ICC 1:100-500</p>
Restrictions:	For Research Use only

Handling

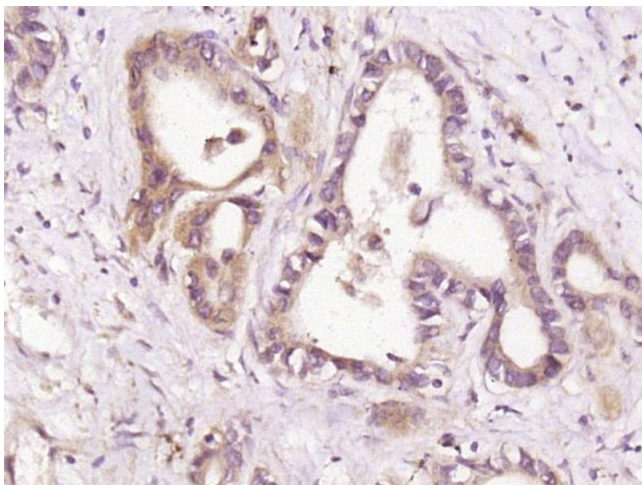
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with HDPTP Polyclonal Antibody at 1:400 overnight at 4°C, followed by a SP kit and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded human stomach cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with HDPTP Polyclonal Antibody at 1:400 overnight at 4°C, followed by a SP kit and DAB staining.