Datasheet for ABIN1693514

anti-PTPN23 antibody (AA 1501-1636) (Alexa Fluor 350)

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Overview

Quantity:	100 µL
Target:	PTPN23
Binding Specificity:	AA 1501-1636
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN23 antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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
Alternative Name:	Hdptp (PTPN23 Products)

Target Details

Background:	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. 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.
Gene ID:	25930

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

