Datasheet for ABIN7193270

anti-PTPRF antibody (AA 1104-1163)

4 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	PTPRF
Binding Specificity:	AA 1104-1163
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTPRF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (IHC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human PTPRF (AA: extra 1104-1163) expressed in E. coli.
Clone:	6D7C7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PTPRF
Alternative Name:	PTPRF (PTPRF Products)
Background:	Description: The protein encoded by this gene is a member of the protein tyrosine phosphatase

Target Details

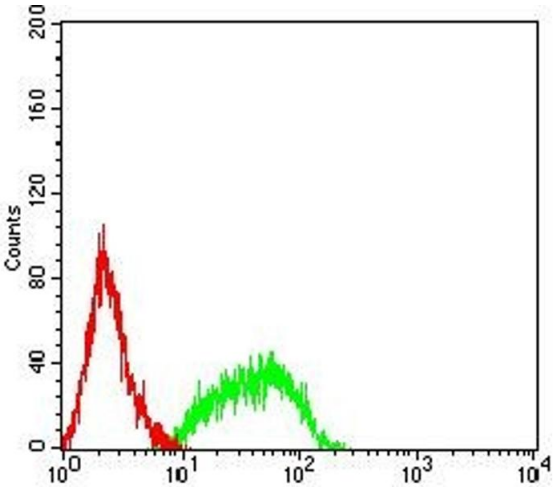
	(PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. Aliases: LAR, BNAH2
Molecular Weight:	213 kDa
Gene ID:	5792
Pathways:	EGFR Signaling Pathway

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400, ICC: N/A, IHC: N/A
Restrictions:	For Research Use only

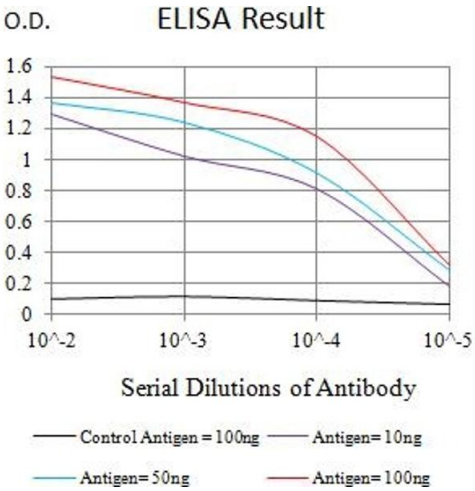
Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



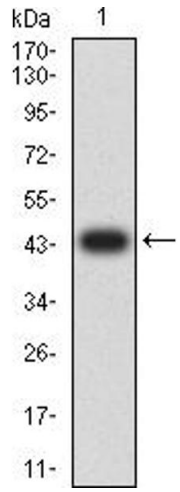
Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using PTPRF mouse mAb (green) and negative control (red).



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using PTPRF mAb against human PTPRF (AA: extra 1104-1163) recombinant protein. (Expected MW is 44.5 kDa)

Please check the product details page for more images. Overall 4 images are available for ABIN7193270.