Datasheet for ABIN3043915

anti-PTPRF antibody (Middle Region)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	PTPRF
Binding Specificity:	AA 1167-1203, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-LAR/PTPRF Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human LAR, different from the related mouse and rat sequences by four amino acids.
Sequence:	EQGGEEQRRR RRQAERLKPY VAAQLDVLPE TFTLGDK
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-LAR/PTPRF Antibody Picoband® (ABIN3043915). Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	PTPRF
Alternative Name:	PTPRF (PTPRF Products)
Background:	Synonyms: Receptor-type tyrosine-protein phosphatase F,3.1.3.48,Leukocyte common antigen related,LAR,PTPRF,LAR, Tissue Specificity: Expressed in breast, placenta, kidney, liver and pancreas. . Background: Receptor-type tyrosine-protein phosphatase F is an enzyme that in humans is encoded by the PTPRF gene. The protein encoded by this gene is a member of the protein tyrosine phosphatase (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.
Molecular Weight:	240 kDa
Gene ID:	5792
UniProt:	P10586
Pathways:	EGFR Signaling Pathway

Application Details

Application Notes:	Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human Western blot, 0.1-0.5 µg/mL, Human 1. "Entrez Gene: PTPRF protein tyrosine phosphatase, receptor type, F". 2. Harder KW, Saw J, Miki N, Jirik F (Nov 1995). "Coexisting amplifications of the chromosome 1p32 genes (PTPRF and MYCL1) encoding protein tyrosine phosphatase LAR and L-myc in a small cell lung cancer line".Genomics 27 (3): 552-3.

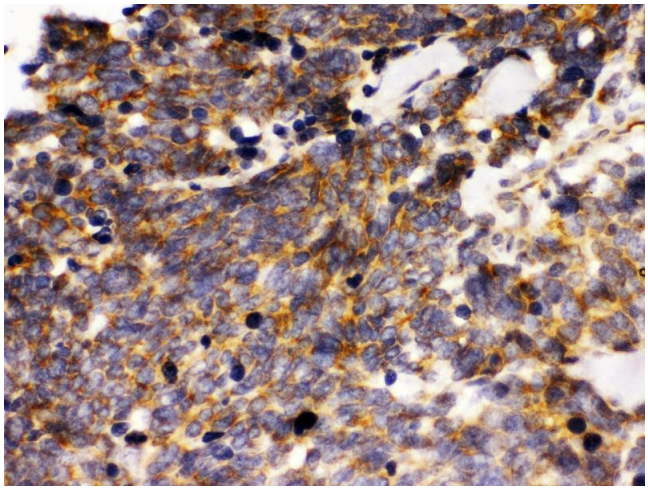
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

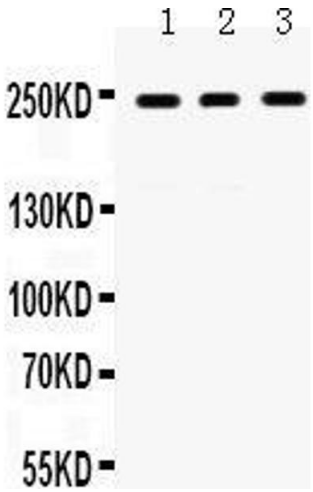
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Anti- LAR Picoband antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



Western Blotting

Image 2.