

Anti-LAR Picoband Antibody

Catalog # ABO12472

Product Information

Application	WB, IHC-P
Primary Accession	P10586
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Receptor-type tyrosine-protein phosphatase F(PTPRF) detection. Tested with WB, IHC-P in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5792
Other Names	Receptor-type tyrosine-protein phosphatase F, 3.1.3.48, Leukocyte common antigen related, LAR, PTPRF, LAR
Calculated MW	212879
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Receptor-type tyrosine-protein phosphatase F
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human LAR (1167-1203aa EQGGEEQRRRRRQAERLKPYYAAQLDVLPTFTLGDK), different from the related mouse and rat sequences by four amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

freezing and thawing.

Protein Information

Name	PTPRF
Synonyms	LAR
Function	Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase) and dephosphorylates EPHA2 regulating its activity.
Cellular Location	Membrane; Single-pass type I membrane protein.

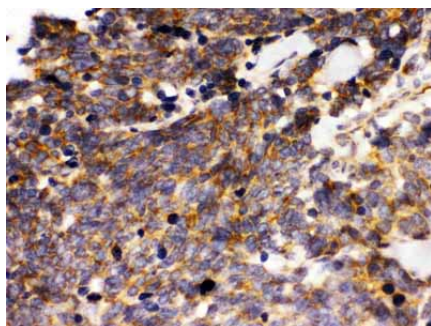
Background

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.

Images



Anti- LAR Picoband antibody, ABO12472, Western blotting
All lanes: Anti LAR (ABO12472) at 0.5ug/ml
Lane 1: HELa Whole Cell Lysate at 40ug
Lane 2: A431 Whole Cell Lysate at 40ug
Lane 3: A549 Whole Cell Lysate at 40ug
Predicted bind size: 240KD
Observed bind size: 240KD



Anti- LAR Picoband antibody, ABO12472, IHC(P)
IHC(P): Human Lung Cancer Tissue