

AB-PP523

PTPRF-pY1621 Antibody

Phosphosite-specific rabbit polyclonal antibody for PTPRF (LAR). This phosphotyrosine-site antibody also weakly cross-reacts with a phosphothreonine substitution of the phosphosite.

Website: www.kinexus.ca
Email: info@kinexus.ca
Phone: 604-323-2547



Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Target Protein

Protein Name Long:	Receptor-type tyrosine-protein phosphatase F; Leukocyte antigen-related (LAR) PTP receptor
Protein Alias:	EC 3.1.3.48; LAR; LCA-homolog; Leukocyte antigen related; Leukocyte antigen-related (LAR) PTP receptor; Leukocyte antigen-related tyrosine phosphatase; Protein tyrosine phosphatase, receptor type, F; Receptor-type tyrosine-protein phosphatase F
UniProt ID:	P10586
Protein Molecular Mass:	211,845 Da (1,897 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human PTPRF
Antibody Immunogen Sequence:	CARNL(pY)AHI
Antibody Immunogen Description:	Corresponds to amino acid residues A1617 to I1624. The effect of Y1621 phosphorylation is unclear. This is the major site of <i>in vivo</i> phosphorylation of PTPRF (≥ 143 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). This human phosphosite is highly conserved in vertebrates and also found in fish.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 μ g
Antibody Concentration:	0.6 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at $+4^{\circ}\text{C}$ for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus macaque Dog Rat Mouse Platypus Frog Zebra fish

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987