

AB-NP005-2

LAR/PTPRF Antibody

Pan-specific monoclonal antibody (S165-38) for monitoring the expression of human protein-tyrosine phosphatase LAR/PTPRF



KINEXUS

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Target Protein

Name Long:	Receptor-type tyrosine-protein phosphatase F (LAR/PTPRF)
Alias:	FLJ43335, FLJ45062, FLJ45567, LAR, LAR protein, LARFN5C, LARS, LCA homologue, Leukocyte antigen related (LAR) PTP receptor, Leukocyte antigen related, Leukocyte antigen related PTP receptor, Leukocyte antigen related tyrosine phosphatase, Leukocyte common antigen related, Protein Tyrosine Phosphatase Receptor Type F, Protein tyrosine phosphatase receptor type F polypeptide, PTPRF protein, Receptor linked phosphatase LAR
UniProt ID:	P10586 - Human
Human Predicted Mass (KDa):	212.879 (1907 AA; P10586-1); 211.687 (1898 AA; P10586-2)
Observed SDS-PAGE Mass (KDa):	85 (partial proteolytic product)

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1315-1607 (cytoplasmic C-terminus) of human LAR. 97% identical in both rat and mouse. >80% identity with PTPRD and PTPRS. >50% identity with PTPRM and PTPRK.
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	152 IgG2a
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-443 was sufficient for detection of LAR/PTPRF in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~85 kDa protein (full length protein is 210 kDa protein – smaller due to proteolysis into P-subunit containing transmembrane and intracellular domains.

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

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