

DESCRIPTION

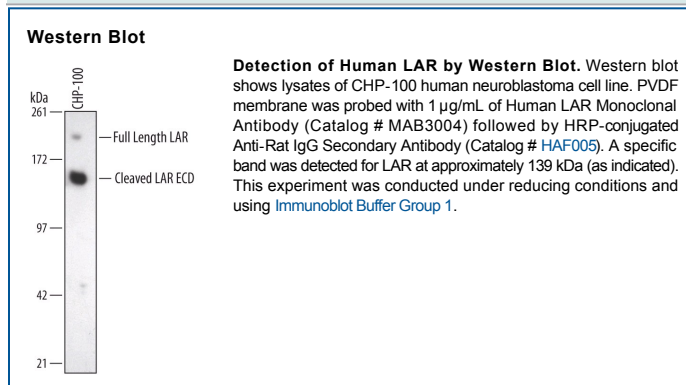
Species Reactivity	Human
Specificity	Detects endogenous human LAR in Western blots. In Western blots, this antibody detects both full-length protein and the cleaved LAR extracellular domain (ECD). It does not cross-react with recombinant human PTPRM, PTPRK, DEP1, or PTPRγ.
Source	Monoclonal Rat IgG ₁ Clone # 384727
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LAR Ala27-Glu1251 Accession # NP_569707
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

BACKGROUND

Leukocyte Antigen-Related (LAR) tyrosine phosphatase, also known as Protein Tyrosine Phosphatase, Receptor-type F (PTPRF), is an integral membrane protein with anon-glycosylated molecular weight of 207 kDa. The extracellular domain is cleaved near the cell membrane by a subtilisin-like endoprotease to a molecular weight of 139 kDa. Depending on cellular conditions, the extracellular domain may remain associated with the rest of the molecule or can be shed into the extracellular medium.