Human LAR Antibody

Monoclonal Rat IgG_1 Clone # 384727

Catalog Number: MAB3004

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. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

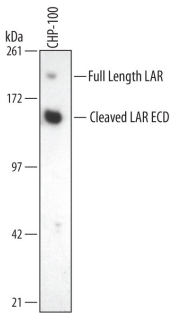
APPLICATIONS

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

Western Blot



Detection of Human LAR by Western Blot. Western blot shows lysates of CHP-100 human neuroblastoma cell line. PVDF membrane was probed with 1 µg/mL of Human LAR Monoclonal Antibody (Catalog # MAB3004) followed by HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for LAR at approximately 139 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449