

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat LAR in Western blots. In Western blots, this antibody detects both full-length protein and the cleaved LAR extracellular (E) domain. The antibody does not cross react with PTPRα.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LAR Ala27-Glu1251 Accession # NP_569707
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Leucocyte Antigen-Related (LAR) tyrosine phosphatase, also known as Protein Tyrosine Phosphatase, Receptor-type F (PTPRF), is an integral membrane protein with a non-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. This antibody was made against the extracellular domain of LAR and detects both full-length and cleaved LAR.

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