
PARL Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253929

Unit: 0.1 mg

Description:

PARL is a mitochondrial integral membrane protein and a member of the highly conserved rhomboid superfamily of membrane proteins. PARL is required for the control of apoptosis during postnatal growth and is required for the processing of OPA1, a protein that prevents the release of cytochrome C from the mitochondria in response to apoptotic signals. In lymphocytes and neurons, PARL's association with other proteins, such as the Bcl-2 family-related protein Hax1 and Omi can lead to the proteolytic processing of Omi by PARL, preventing the accumulation of Bax, thereby suppressing apoptosis. Variations in this gene have been associated with increased risk for type 2 diabetes. PARL may also play a role in the progression of Alzheimer's disease through its associations with presenilin-1 and -2. Despite its predicted molecular weight of ~42kDa, PARL is observed at a higher molecular weight in SDS-PAGE. Multiple isoforms of PARL are known to exist.

Isotype: Rabbit Ig

Applications: E, WB, ICC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: PARL; Presenilin-associated rhomboid-like protein; PSARL; PSARL1; PSNENIP2

Accession No.: Q9H300

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human PARL.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; ICC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.