

Product datasheet for **TA306629**

PARL Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PARL antibody was raised against a 15 amino acid peptide from near the amino terminus of human PARL.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	presenilin associated rhomboid like
Database Link:	NP_001032728 Entrez Gene 287979 Rat Entrez Gene 381038 Mouse Entrez Gene 55486 Human Q9H300



[View online »](#)

Background:

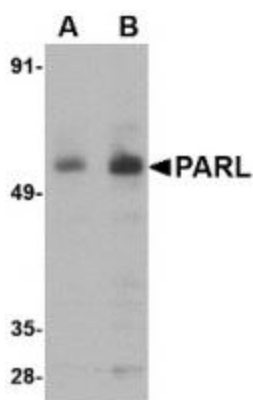
PARL is a mitochondrial integral membrane protein and a member of the highly conserved rhomboid superfamily of membrane proteins. PARL is required for the control of apoptosis during postnatal growth and is required for the processing of OPA1, a protein that prevents the release of cytochrome C from 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.

Synonyms:

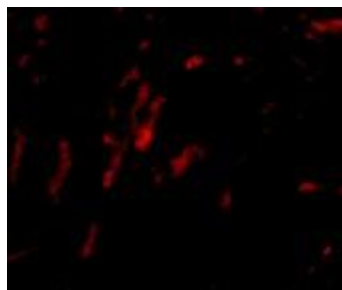
PRO2207; PSARL; PSARL1; PSENIP2; RHBDS1

Protein Families:

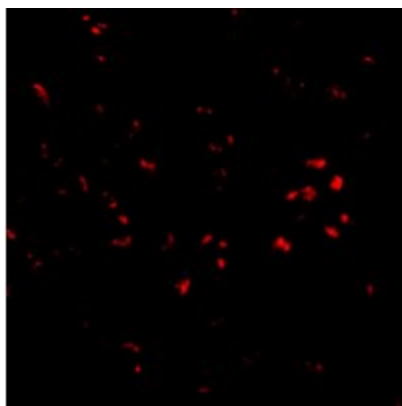
Protease, Transmembrane

Product images:

Western blot analysis of PARL in 3T3 cell lysate with PARL antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of PARL in 3T3 cells with PARL antibody at 2.5 ug/mL.



Immunofluorescence of PARL in 3T3 cells with PARL antibody at 2.50 ug/mL.