Rabbit PARL Polyclonal Antibody | anti-PARL antibody

PARL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39215	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Western Blot, ELISA**

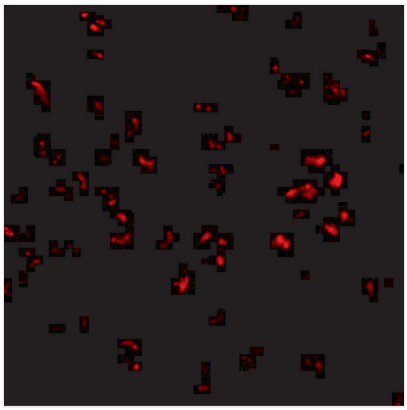
PRODUCT SYNONYMS

PARL; Polyclonal Antibody; PARL Antibody; PSARL; PSARL1; RHBDS1; PRO2207; PSENIP2; Presenilins-associated rhomboid-like protein; mitochondrial; Mitochondrial intramembrane cleaving protease PARL; Pbeta; presenilin associated; rhomboid-like; anti-PARL antibody

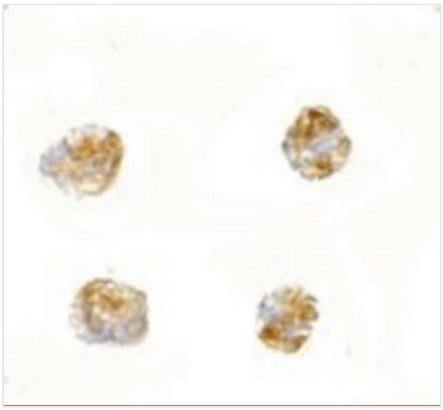
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PARL Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	379
Applicable Applications for anti-PARL antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PARL antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human PARL.
Buffer	PARL Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

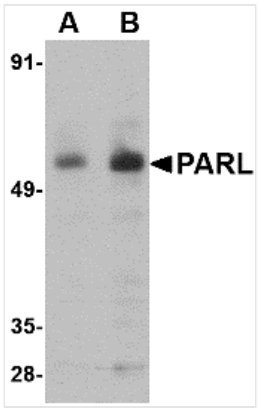
IMAGES



IF (Immunofluorescence)
Immunofluorescence of PARL in 3T3 cells with PARL antibody at 2.50 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of PARL in 3T3 cells with PARL antibody at 2.5 μg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-PARL antibody	PARL Antibody: 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. Multiple isoforms of PARL are known to exist.

NCBI AND UNIPROT INFORMATION

NCBI GI #	143811433
NCBI GeneID	55486
UniProt Accession #	Q9H300; Q96CQ4; Q9BTJ6; Q9P1E3
Molecular Weight	36,589 Da
NCBI Official Full Name	Presenilins-associated rhomboid-like protein, mitochondrial
NCBI Official Synonym Full Names	presenilin associated, rhomboid-like
NCBI Official Symbol	PARL
NCBI Official Synonym Symbols	PSARL; PSARL1; RHBDS1; PRO2207; PSENIP2
NCBI Protein Information	presenilins-associated rhomboid-like protein, mitochondrial; rhomboid 7 homolog 1; mitochondrial intramembrane cleaving protease PARL; mitochondrial intramembrane-cleaving protease PARL
UniProt Protein Name	Presenilins-associated rhomboid-like protein, mitochondrial
UniProt Gene Name	**PARL**
UniProt Synonym Gene Names	PSARL; Pbeta
UniProt Entry Name	PARL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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