

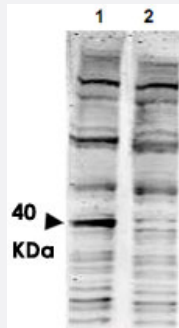
PACRG polyclonal antibody

Catalog # PAB10304

Size 100 ug

Applications

Western Blot (Cell lysate)



Western blot using PACRG polyclonal antibody (Cat # PAB10304) shows detection of a band ~ 40 KDa corresponding to human PACRG (arrowhead lane 1). Specific reactivity with this band is blocked when the antibody is pre-incubated with the immunizing peptide (Lane 2).

Approximately 35 ug of a mouse embryonic fibroblast (MEF) whole cell lysate was separated by 4-20% SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,500 for 2h at room temperature followed by washes and reaction with a 1 : 10,000 dilution of IRDye™800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature.

IRDye™800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR.

IRDye is a trademark of LI-COR, Inc.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PACRG.
Immunogen	A synthetic peptide corresponding to amino acids 204-215 of human PACRG.
Host	Rabbit
Reactivity	Chicken, Human, Mouse, Rat
Specificity	This affinity purified antibody is directed against human PACRG protein. Expect reactivity with both splice variants of this protein.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:2000-1:10000) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PACRG

Entrez GeneID	135138
Protein Accession#	Q96M98;AAH30642
Gene Name	PACRG
Gene Alias	FLJ32724, GLUP, HAK005771, PARK2CRG, RP3-495O10.2
Gene Description	PARK2 co-regulated
Omim ID	607572 608427
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a protein that is conserved across metazoans. In vertebrates, this gene is linked in a head-to-head arrangement with the adjacent parkin gene, which is associated with autosomal recessive juvenile Parkinson's disease. These genes are co-regulated in various tissues and they share a bi-directional promoter. Both genes are associated with susceptibility to leprosy. The parkin co-regulated gene protein forms a large molecular complex with chaperones, including heat shock proteins 70 and 90, and chaperonin components. This protein is also a component of Lewy bodies in Parkinson's disease patients, and it suppresses unfolded Pael receptor-induced neuronal cell death. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000017729|OTTHUMP00000017730|molecular chaperone/chaperonin-binding protein|parkin co-regulated gene protein

Publication Reference

- [Susceptibility to leprosy is associated with PARK2 and PACRG.](#)

Mira MT, Alcaïs A, Nguyen VT, Moraes MO, Di Flumeri C, Vu HT, Mai CP, Nguyen TH, Nguyen NB, Pham XK, Sarno EN, Alter A, Montpetit A, Moraes ME, Moraes JR, Doré C, Gallant CJ, Lepage P, Verner A, Van De Vosse E, Hudson TJ, Abel L, Schurr E.

Nature 2004 Feb; 427(6975):636.

- [A product of the human gene adjacent to parkin is a component of Lewy bodies and suppresses Pael receptor-induced cell death.](#)

Imai Y, Soda M, Murakami T, Shoji M, Abe K, Takahashi R.

The Journal of Biological Chemistry 2003 Dec; 278(51):51901.

- [Identification of a novel gene linked to parkin via a bi-directional promoter.](#)

West AB, Lockhart PJ, O'Farell C, Farrer MJ.

Journal of Molecular Biology 2003 Feb; 326(1):11.

Application: WB, Human, Mouse, Brains, SH-SY5Y cells

Disease

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- [Tobacco Use Disorder](#)
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