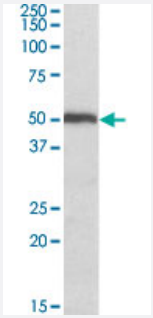
ORC4L polyclonal antibody

Catalog # PAB6028 Size 100 ug

Applications



Western Blot (Tissue lysate)

ORC4L polyclonal antibody (Cat # PAB6028, 0.5 ug/mL) staining of rat heart lysate (35 ug protein in RIPA buffer) . Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ORC4L.
Immunogen	A synthetic peptide corresponding to human ORC4L.
Sequence	C-DVRQWATSSLSWL
Host	Goat
Theoretical MW (kDa)	50.4
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:8000) Western blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.

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Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- ChIP
- Western Blot (Tissue lysate)

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Gene Info — ORC4L

Entrez GeneID	5000
Protein Accession#	NP_002543
Gene Name	ORC4L
Gene Alias	ORC4, ORC4P
Gene Description	origin recognition complex, subunit 4-like (yeast)
Omim ID	603056
Gene Ontology	Hyperlink
Gene Summary	The origin recognition complex (ORC) is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that OR C binds specifically to origins of replication and serves as a platform for the assembly of addition al initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subuni t of the ORC complex. It has been shown to form a core complex with ORC2L, -3L, and -5L. Three alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq
Other Designations	origin recognition complex subunit 4

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Publication Reference

- FAD24 acts in concert with histone acetyltransferase HBO1 to promote adipogenesis by controlling DNA replication.

  Johmura Y, Osada S, Nishizuka M, Imagawa M.

  The Journal of Biological Chemistry 2007 Nov; 283(4):2265.

- Genetic analysis of human Orc2 reveals specific domains that are required in vivo for assembly and nuclear localization of the origin recognition complex.

  Radichev I, Kwon SW, Zhao Y, DePamphilis ML, Vassilev A.

  The Journal of Biological Chemistry 2006 Jun; 281(32):23264.

- Human origins of DNA replication selected from a library of nascent DNA.

  Todorovic V, Giadrossi S, Pelizon C, Mendoza-Maldonado R, Masai H, Giacca M.

  Molecular Cell 2005 Aug; 19(4):567.

  Application: ChIP, Human, HeLa cells

Pathway

- Cell cycle

Disease

- Genetic Predisposition to Disease

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