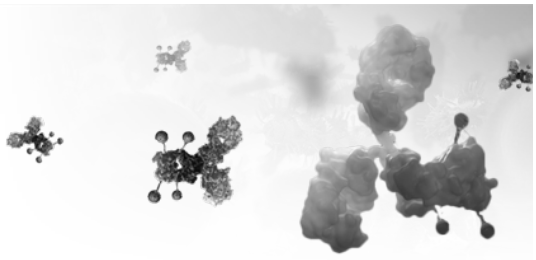

Anti-ORC5 (aa 274-373) polyclonal antibody (DPAB-DC2068)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Alternatively spliced transcript variants encoding distinct isoforms have been described.
Immunogen	ORC5L (NP_002544, 274 a.a. ~ 373 a.a) partial recombinant protein with GST tag. The sequence is SSSQWEKLQKDDTDPGQLKGLSAHTHVELPYYSKFILIAAYLASYNPARTDKRFFLKHHG KIKKTNFLKKHEKTSNHLLGPKPFPLDRLLAILYSIVDSR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	ORC5 origin recognition complex, subunit 5 [Homo sapiens (human)]
Official Symbol	ORC5
Synonyms	ORC5; origin recognition complex, subunit 5; ORC5L; ORC5P; ORC5T; PPP1R117; origin recognition complex subunit 5; protein phosphatase 1, regulatory subunit 117;
Entrez Gene ID	5001
Protein Refseq	NP_002544
UniProt ID	A4D0P7
Chromosome Location	7q22.1
Pathway	Activation of ATR in response to replication stress; Assembly of the ORC complex at the origin of replication; Association of licensing factors with the pre-replicative complex; CDT1 association with the CDC6:ORC:origin complex
Function	ATP binding; DNA replication origin binding; molecular_function; nucleotide binding

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