



Anti-ORC5 (aa 243-313) polyclonal antibody (DPABH-19239)

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

PRODUCT INFORMATION

Antigen Description	Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent, however specific DNA sequences that define origins of replication have not been identified so far. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication.
Immunogen	antigen sequence: GEASERDTRK LWRNIEPHLK KAMQTVYLR E ISSSQWEKLQ KDDTDPGQLK GLSAHTHVEL PYYSKFILIA A, corresponding to internal sequence amino acids 243-313 of Human ORC5L.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P, ICC/IF
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	ORC5 origin recognition complex, subunit 6 [Homo sapiens]
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_002544.1
UniProt ID	A4D0P7
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