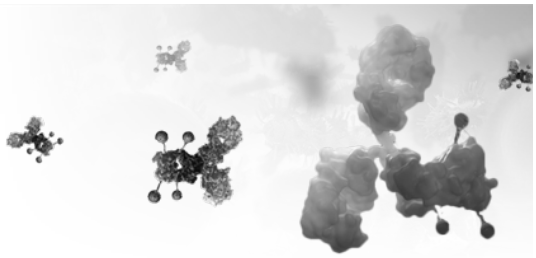

Rat anti-Human ORC2 monoclonal antibody, clone 4H7 (CABT-B9492)

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

PRODUCT INFORMATION

Immunogen	ORC2 (hsORC) produced in P3-x63Ag.8.653 cells
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Human
Clone	4H7
Purification	Protein G
Conjugate	Unconjugated
Applications	IM, WB
Format	Liquid
Concentration	1 mg/ml
Size	50 µl
Buffer	PBS
Preservative	0.1% sodium azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

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Introduction	The origin recognition complex (ORC) is a highly conserved six subunits 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. This protein forms a core complex with ORC3, -4, and -5. It also interacts with CDC45 and MCM10, which are proteins known to be important for the initiation of DNA replication. This protein has been demonstrated to specifically associate with the origin of replication of Epstein-Barr virus in human cells, and is thought to be required for DNA replication from viral origin of replication. Alternatively spliced transcript variants have been found, one of which is a nonsense-mediated mRNA decay candidate. [provided by RefSeq, Oct 2010]
Keywords	ORC2; origin recognition complex, subunit 2; ORC2L; origin recognition complex subunit 2; origin recognition complex protein 2 homolog; origin recognition complex, subunit 2 homolog;

GENE INFORMATION

Entrez Gene ID	4999
UniProt ID	A0A024R411

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