

Anti-ORC1 Antibody

Catalog # AP51699

Product Information

Application	WB, IHC
Primary Accession	Q13415
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97350

Additional Information

Gene ID	4998
Other Names	ORC1L; PARC1; Origin recognition complex subunit 1; Replication control protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ORC1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

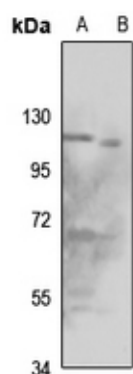
Name	ORC1
Synonyms	ORC1L, PARC1
Function	Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication.
Cellular Location	Nucleus.

References

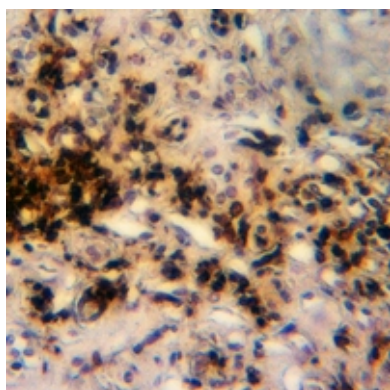
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Wolf D.A.,et al.Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases.

Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Saha P.,et al.Mol. Cell. Biol. 18:2758-2767(1998).

Images



Western blot analysis of ORC1 expression in mouse muscle (A), rat muscle (B) whole cell lysates. (Predicted band size: 97 kD; Observed band size: 120 kD)



Immunohistochemical analysis of ORC1 staining in human kidney cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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