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ORC3L Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14874a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9UBD5
Other Accession	NP_036513.2, NP_862820.1
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	82254
Antigen Region	17-46

Additional Information

Gene ID	23595
Other Names	Origin recognition complex subunit 3, Origin recognition complex subunit Latheo, ORC3, LATHEO, ORC3L
Target/Specificity	This ORC3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human ORC3L.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ORC3L Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ORC3
Synonyms	LATHEO, ORC3L
Function	Component of the origin recognition complex (ORC) that binds origins of

replication. DNA-binding is ATP-dependent. The specific 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. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3.

Cellular Location Nucleus. Chromosome

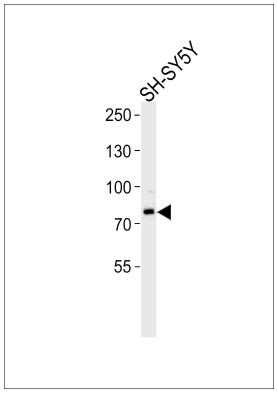
Background

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. Studies of a similar gene in Drosophila suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene.

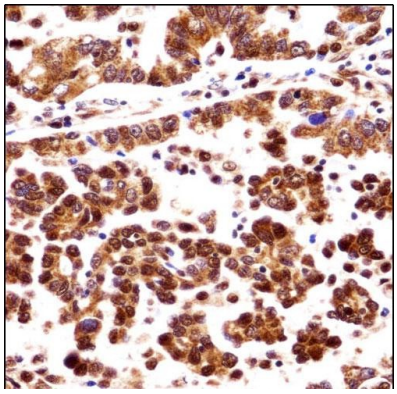
References

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Images



ORC3L Antibody (N-term) (Cat. #AP14874a) western blot analysis in SH-SY5Y cell line lysates (35ug/lane).This demonstrates the ORC3L antibody detected the ORC3L protein (arrow).



ORC3L Antibody (N-term) (AP14874a)immunohistochemistry analysis in formalin fixed and paraffin embedded human lung adenocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ORC3L Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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