

Datasheet for ABIN2786008
anti-ORC6 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	ORC6
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORC6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ORC6L
Sequence:	VEAPAKEMEK VEEMPHKPQK DEDLTQDYEE WKRKILENAA SAQKATAE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ORC6L. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ORC6
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Target Details

Alternative Name:	ORC6L (ORC6 Products)
Background:	<p>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. ORC6L is a subunit of the ORC complex. It has been shown that this protein and and ORC1L are loosely associated with the core complex consisting of ORC2L, -3L, -4L and -5L. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis. 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. It has been shown that this protein and and ORC1L are loosely associated with the core complex consisting of ORC2L, -3L, -4L and -5L. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: ORC6, ORC6L</p> <p>Protein Interaction Partner: LHX4, SPAG5, UBC, ORC3, CDC7, ORC4, MCM7, MCM6, MCM4, MCM2, CDC6, APP, ORC2, SUMO2, XRCC5, XRCC6, HMGA1, MCM5, TERF2, ORC5, DBF4, CDC45, RPA1,</p> <p>Protein Size: 252</p>
Molecular Weight:	28 kDa
Gene ID:	23594
NCBI Accession:	NM_014321 , NP_055136
UniProt:	Q9Y5N6
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , M Phase , Synthesis of DNA

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 252 AA

Application Details

Restrictions:

For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ORC6L Antibody Titration:
0.2-1 ug/ml
ELISA Titer: 1:12500
Positive Control: Human Liver