

Datasheet for ABIN2786008

anti-ORC6 antibody (C-Term)





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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	

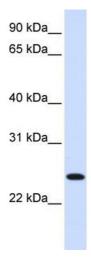
Target Details

Alternative Name:	ORC6L (ORC6 Products)	
Background:	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.	
	Alias Symbols: ORC6, ORC6L	
	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,	
	Protein Size: 252	
Molecular Weight:	28 kDa	
Gene ID:	23594	
NCBI Accession:	NM_014321, NP_055136	
JniProt:	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.	
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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