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ORC3L Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ORC3L.
Catalog # AT3153a

Product Information

Application	E
Primary Accession	Q9UBD5
Other Accession	BC035494
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D3
Calculated MW	82254

Additional Information

Gene ID	23595
Other Names	Origin recognition complex subunit 3, Origin recognition complex subunit Latheo, ORC3, LATHEO, ORC3L
Target/Specificity	ORC3L (AAH35494, 602 a.a. ~ 711 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ORC3L Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

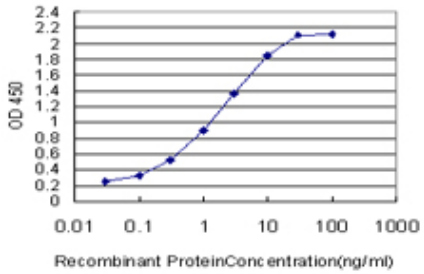
Background

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

Genetic variants in apoptosis and immunoregulation-related genes are associated with risk of chronic lymphocytic leukemia. Enjuanes A, et al. Cancer Res, 2008 Dec 15. PMID 19074885.Involvement of human ORC and TRF2 in pre-replication complex assembly at telomeres. Tatsumi Y, et al. Genes Cells, 2008 Oct. PMID 18761675.The genetics of symptom-based phenotypes: toward a molecular classification of schizophrenia. DeRosse P, et al. Schizophr Bull, 2008 Nov. PMID 18628273.ATP-dependent assembly of the human origin recognition complex. Siddiqui K, et al. J Biol Chem, 2007 Nov 2. PMID 17716973.ATM and ATR substrate analysis reveals extensive protein networks responsive to DNA damage. Matsuoka S, et al. Science, 2007 May 25. PMID 17525332.

Images



Detection limit for recombinant GST tagged ORC3L is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.