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ORC2L Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant ORC2L.
Catalog # AT3152a

Product Information

Application	WB, IHC, E
Primary Accession	Q13416
Other Accession	BC014834
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	3E11-1G5
Calculated MW	65972

Additional Information

Gene ID	4999
Other Names	Origin recognition complex subunit 2, ORC2, ORC2L
Target/Specificity	ORC2L (AAH14834, 1 a.a. ~ 577 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	ORC2L Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

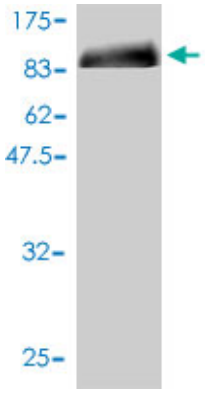
Background

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. This protein forms a core complex with ORC3L, -4L, and -5L. It also interacts with CDC45L and MCM10, which are proteins known to be important for the initiation of DNA replication. This protein has been demonstrated to specifically associate with the origin of replication of Epstein-Barr virus in human cells, and is thought to be required for DNA replication from viral origin of replication. Alternatively spliced transcript variants have been found, one of which is a nonsense-mediated mRNA decay candidate.

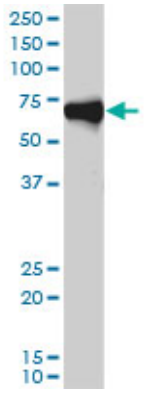
References

1.RBM3-regulated genes promote DNA integrity and affect clinical outcome in epithelial ovarian cancer.Ehlen A, Nodin B, Rexhepaj E, Brandstedt J, Uhlen M, Alvarado-Kristensson M, Ponten F, Brennan DJ, Jirstrom KTransl Oncol. 2011 Aug;4(4):212-21. Epub 2011 Aug 1.

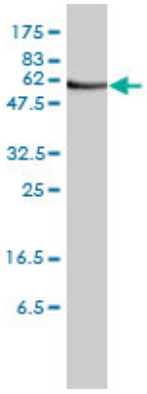
Images



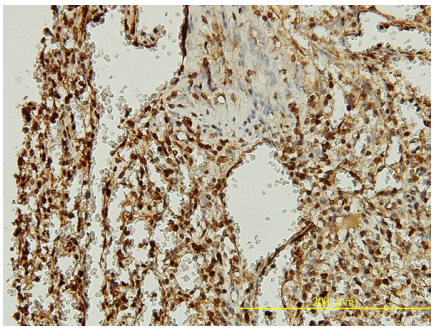
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (89.21 KDa) .



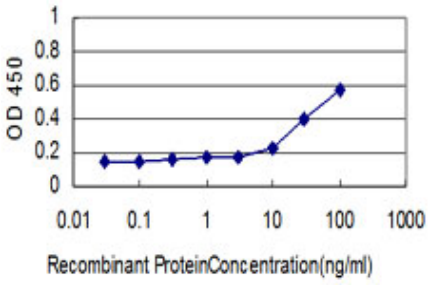
ORC2L monoclonal antibody (M01), clone 3E11-1G5. Western Blot analysis of ORC2L expression in Hela S3 NE ((Cat # AT3152a)



ORC2L monoclonal antibody (M01), clone 3E11-1G5 Western Blot analysis of ORC2L expression in Jurkat ((Cat # AT3152a)



Immunoperoxidase of monoclonal antibody to ORC2L on formalin-fixed paraffin-embedded human spleen tissue.[antibody concentration 5 ug/ml]



Detection limit for recombinant GST tagged ORC2L is approximately 0.3ng/ml as a capture antibody.

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