10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ORC2L Antibody (monoclonal) (M01)

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

Specification

ORC2L Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q13416
Other Accession	BC014834
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**65972**

ORC2L Antibody (monoclonal) (M01) - 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.

ORC2L Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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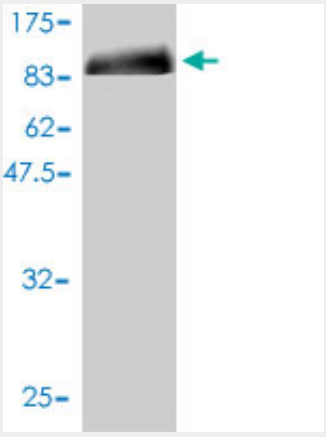
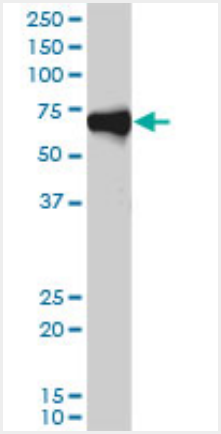
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

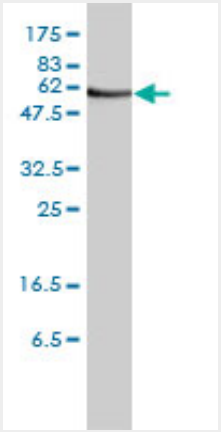
ORC2L Antibody (monoclonal) (M01) - Images



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)



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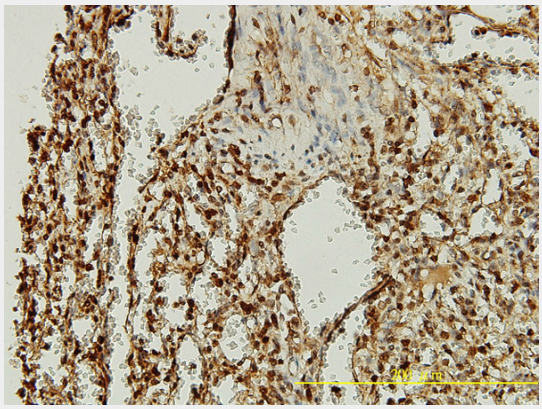
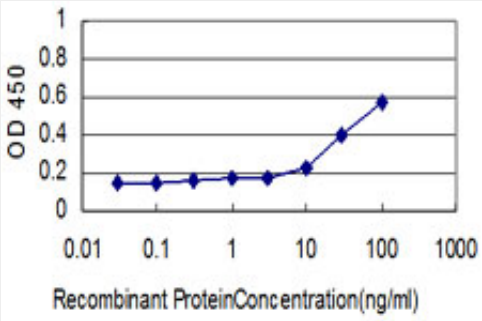
ORC2L monoclonal antibody (M01), clone 3E11-1G5 Western Blot analysis of ORC2L expression in Jurkat ((Cat # AT3152a)



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.

ORC2L Antibody (monoclonal) (M01) - 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.

ORC2L Antibody (monoclonal) (M01) - 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.