

## Datasheet

### ORC2L monoclonal antibody (M01), clone 3E11-1G5

**Catalog Number:** H00004999-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant ORC2L.

**Clone Name:** 3E11-1G5

**Immunogen:** ORC2L (AAH14834, 1 a.a. ~ 577 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MSKPELKEDKMLEVHFVGGDDVNLHILDREGGAKLKK  
ERAQLLVNPKKIIKKPEYDLEEDDQEVLDQNYVEIMG  
RDVQESLKNQSATGGGNKVVSFQNRKHSEKMAKLAS  
ELAKTPQKSVSFLKNDPEITINVPQSSKGHSASDKVQ  
PKNNDKSEFLSTAPRSLRKRLIVPRSHSDSESEYSASN  
SEDDEGVAQEHEEDTNAVIFSQKIQAQNRVVSAPVGK  
ETPSKRMKRDKTSDLVEEYFEAHSSSKVLTSDRTLQK  
LKRALDQQTLRNLKSKVSPSFAELKQLNQYKELFHV  
KWMLQLHLGFNIVLYGLGSKRDLLERFRTTMLQDSIHV  
VINGFFPGISVKSVLNSITEEVLDMGTFRSILDQLDWI  
VNKFKEDSSLELFLIHNLDSQMLRGEKSQQIIGQLSSL  
HNIYLIASIDHLNAPLMWDHAKQSLFNWLWYETTTYSY  
YTEETSYENSLLVKQSGSLPLSSLTHVLRSLTPNARGIF  
RLLIKYQLDNQDNPSYIGLSFQDFYQQCREAFLVNSDL  
TLRAQLTEFRDHKLIRTKKGTGVEYLLIPVDNGTLTDF  
LEKEEEEE

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG1 kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4999

**Gene Symbol:** ORC2L

**Gene Alias:** ORC2

**Gene Summary:** 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. [provided by RefSeq]

**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 K *Transl Oncol.* 2011 Aug;4(4):212-21. Epub 2011 Aug 1.