

## Monoclonal Anti- Cyclin E2

**Catalog#** BMA1014

**Lot #** Check on the product label

**Size** 100 µg

**Isotype** IgG1

**Clone #** N24-5

**Host** Mouse

**Reactivity**

Human, mouse

**Product Form** Liquid

**Purification** Protein A purified

**Immunogen**

A synthetic peptide (conjugated with KLH) corresponding to the C-terminal of Cyclin E2.

**Recommend Application**

Western Blot, WB (1:500-2000)

Immunohistochemistry, IHC-P (1:100)

Immunocytochemistry, ICC (1:50)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

**Storage Buffer**

1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol and 0.05% Sodium Azide.

**Storage Instruction**

Store at 4°C after thawing (1 week).

Aliquot and store at -20°C for long term (at least one year).

Avoid repeated freeze and thaw cycles.

**Background**

Cyclin E2 is a member of the cyclin family,

It is a predicted 404-amino acid protein

which contains a cyclin box motif and it is 47% identical to cyclin E1. <sup>[1]</sup> It is expressed in several normal human tissues, with the highest levels in testis, thymus, and brain. Gudas et al. (1999) found that, like cyclin E1, the human cyclin E2 gene complemented a G1 cyclin defect in *S. cerevisiae*. Cyclin E2 expressed in mammalian cells associated with CDK2 in a functional kinase complex that was inhibited by both KIP1 and CIP1. <sup>[1]</sup>

**Reference**

1. Gudas, J. M., Payton, M., Thukral, S., Chen, E., Bass, M., Robinson, M. O., Coats, S. Cyclin E2, a novel G1 cyclin that binds Cdk2 and is aberrantly expressed in human cancers. *Molec. Cell. Biol.* 19: 612-622, 1999.

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