

## Recombinant Cyclin A2 (S- & G2-phase Cyclin) Antibody

Mouse Monoclonal Antibody [Clone r6E6]

Catalog No	Format	Size
890-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
890-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
890-MSM6-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

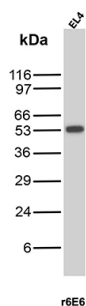
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

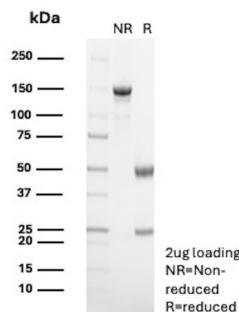
<b>Clone</b>	r6E6
<b>Immunogen</b>	Recombinant fragment (around aa339-468) of the human Cyclin A2 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	48.55kDa
<b>Cellular Localization</b>	Cytoplasm, Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	K-562 or HeLa cells. Human tonsil or lymph node. EL4.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant Cyclin A2 (S- & G2-phase Cyclin) Antibody



Western Blot Analysis of EL4 lysate using Cyclin A2 Recombinant Mouse Monoclonal Antibody (r6E6).



SDS-PAGE Analysis of Purified CCNA2 Recombinant Mouse Monoclonal Antibody (r6E6). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

It recognizes a protein of 54kDa, which is identified as cyclin A. Its epitope is located amino acids 144-148 of human Cyclin A2. Cyclins are regulatory subunits of the cyclin-dependent kinases (cdk's) and they control transition at different specific phases of the cell cycle. The temporal expression of cyclins is tightly regulated and subsequently plays a critical role in controlling the enzymatic activity of cdk's. These cyclin/cdk complexes are essential for passage through specific stages in the cell cycle. In mammalian somatic cells, cyclin A is required for S-phase and passage through G2-phase. The D and E type cyclins regulate the passage of G1, while cyclin B is a critical regulator of mitosis. Mutation or disruption of normal cyclin A expression causes cells to arrest in G2-phase.

### Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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