Recombinant Cyclin A2 / CCNA2 (Marker of Tumor Proliferation) 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 and Azide at 1.0mg/ml	100 ug

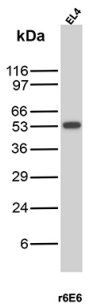
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

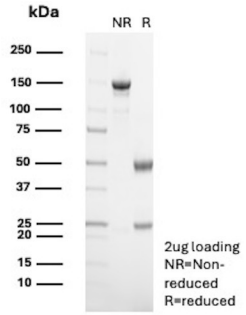
Clone	r6E6
Gene Name	CCNA2
Immunogen	Recombinant protein corresponding to the N-terminal fragment of cyclin A protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	54kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	K-562 or HeLa cells. Human tonsil or lymph node. EL4.

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

Product Images for Recombinant Cyclin A2 / CCNA2 (Marker of Tumor Proliferation) Antibody



Western Blot Analysis of EL4 lysate using Cyclin A2 Recombinant Mouse Monoclonal Antibody (r6?6).



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 CHO cell 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.

Research Areas

Hypoxia, Nuclear Marker, Transcription Factors

Limitations and Warranty