

ARG62456 anti-Cyclin B1 antibody [V152]

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [V152] recognizes Cyclin B1
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	Cyclin B1 expression is restricted to a specific short period of the cell cycle with cyclin B1 expression detected earlier and peaking in concentration before cyclin B2 expression.
Host	Mouse
Clonality	Monoclonal
Clone	V152
Isotype	IgG1
Target Name	Cyclin B1
Species	Hamster
Immunogen	His-tagged Hamster Cyclin B1 expressed in bacteria
Conjugation	Un-conjugated
Alternate Names	G2/mitotic-specific cyclin-B1; CCNB

Application Instructions

Application table	Application	Dilution
	FACS	Assay dependent
	ICC/IF	Assay dependent
	IHC-Fr	1 - 3 µg/ml
	IHC-P	1 - 3 µg/ml
	WB	1 - 3 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

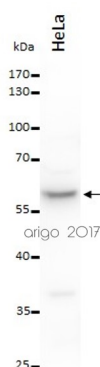
Form	Liquid
Purification	Protein G purified
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide

Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 891 Human Swiss-port # P14635 Human
Gene Symbol	Ccnb1
Gene Full Name	cyclin B1
Background	The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq, Jul 2008]
Highlight	Related Antibody Duos and Panels: ARG30139 Cell Cycle Marker Antibody Panel (Cyclin B1, Cyclin E) Related products: Cyclin B1 antibodies; Cyclin B1 Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Gene Regulation antibody; Cell Cycle Study antibody
Calculated Mw	48 kDa
PTM	Ubiquitinated by the SCF(NIPA) complex during interphase, leading to its destruction. Not ubiquitinated during G2/M phases. Phosphorylated by PLK1 at Ser-133 on centrosomes during prophase: phosphorylation by PLK1 does not cause nuclear import. Phosphorylation at Ser-147 was also reported to be mediated by PLK1 but Ser-133 seems to be the primary phosphorylation site.

Images



ARG62456 anti-Cyclin B1 antibody [V152] WB image

Western blot: 20 µl of HeLa cell lysate stained with ARG62456 anti-Cyclin B1 antibody [V152] at 1 µg/ml dilution.