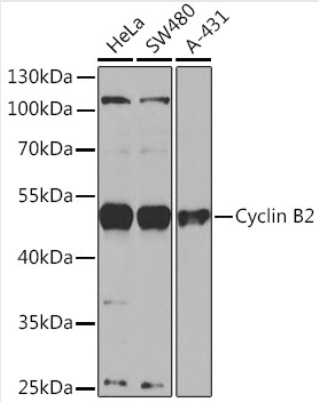
Cyclin B2 (B2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cyclin B2, Polyclonal Antibody
Full Product Name	Cyclin B2 Rabbit pAb
Product Gene Name	anti-B2 antibody
Product Synonym Names	CCNB2; HsT17299; cyclin B2
Immunogen Sequence	MALLRRPTVS SDLENIDTGV NSKVKSHVTI RRTVLEEIGN RVTTRAAQVA KKAQNTKVPV QPTKTTNVNK QLKPTASVKP VQMEKLAPKG PSPTPEDVSM
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	398
OMIM	602755
3D Structure	ModBase 3D Structure for O95067
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human Cyclin B2 (NP_004692.1).
Positive Samples	HeLa, SW480, A-431
Product Categories/Family for anti-B2 antibody	Cell Biology & Developmental Biology; Cell Cycle; Centrosome; Research; Cell Biology & Developmental Biology; Cell Cycle; Cyclins; Research; Cell Biology & Developmental Biology; Cell Cycle; Cell Cycle Control-G2/M DNA Damage Checkpoint
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-B2 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-B2 antibody	WB: 1:500-1:2000 IP: 1:50-1:200
Related Product Information for anti-B2 antibody	Background: Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1 and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control.
Other Notes	Small volumes of anti-B2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for B2 purchase	MBS9142327 is an antibody targeting B2. Also known as Cyclin B2 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-B2 antibody
Western blot analysis of extracts of various cell lines, using Cyclin B2 Rabbit pAb at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B2. It may not necessarily be applicable to this product.

NCBI GI #	5921731
NCBI GeneID	9133
NCBI Accession #	O95067.1
UniProt Primary Accession #	O95067
UniProt Secondary Accession #	Q6FI99; B3KM93
UniProt Related Accession #	O95067
NCBI Official Full Name	G2/mitotic-specific cyclin-B2
NCBI Official Synonym Full Names	cyclin B2
NCBI Official Symbol	CCNB2
NCBI Official Synonym Symbols	HsT17299
UniProt Protein Name	G2/mitotic-specific cyclin-B2
Protein Family	Light-harvesting protein
UniProt Gene Name	CCNB2
UniProt Entry Name	CCNB2_HUMAN
NCBI Protein Information	G2/mitotic-specific cyclin-B2
NCBI Summary for B2	Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1 and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control. [provided by RefSeq, Jul 2008]

UniProt Comments for B2	CCNB2: Essential for the control of the cell cycle at the G2/M (mitosis) transition. Belongs to the cyclin family. Cyclin AB subfamily. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 15q22.2 Cellular Component: microtubule cytoskeleton; nucleoplasm; centrosome; membrane; cytosol Molecular Function: protein binding; protein kinase binding Biological Process: mitosis; thymus development; cell division; regulation of cell cycle; in utero embryonic development; mitotic nuclear envelope disassembly; T cell homeostasis; regulation of cyclin-dependent protein kinase activity; mitotic cell cycle; G2/M transition of mitotic cell cycle; growth
Research Articles on B2	**1.** Cyclin B1 and cyclin B2 are interchangeable for ability to promote G2 and M transition in HeLa cells.
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