

Product datasheet

Anti-Cyclin B1 antibody [GNS11] (Biotin) ab79805

Overview

Product name	Anti-Cyclin B1 antibody [GNS11] (Biotin)
Description	Mouse monoclonal [GNS11] to Cyclin B1 (Biotin)
Host species	Mouse
Conjugation	Biotin
Tested applications	Suitable for: IP, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Hamster, Human
Immunogen	Full length protein corresponding to Human Cyclin B1. Database link: P14635
Epitope	aa 1-306
Positive control	LS174T cells. Tonsil or breast carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 0.2% BSA, 10mM PBS, pH 7.4
Purity	Protein A purified
Clonality	Monoclonal
Clone number	GNS11
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab79805** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2 µg/mg of lysate.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 - 4 µg/ml. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
ICC/IF		Use at an assay dependent concentration.

Target

Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition.
Sequence similarities	Belongs to the cyclin family. Cyclin AB subfamily.
Developmental stage	Accumulates steadily during G2 and is abruptly destroyed at mitosis.
Post-translational modifications	Ubiquitinated by the SCF(NIPA) complex during interphase, leading to its destruction. Not ubiquitinated during G2/M phases.
Cellular localization	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > centrosome.

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