CDC20 (phospho-Ser51) mouse mAb

Catalog No	BYmab-16645
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CDC20
Protein Name	CDC20 (Ser51)
Immunogen	Synthesized phosho peptide around human CDC20 (Ser51)
Specificity	This antibody detects endogenous levels of Human Mouse CDC20 (phospho-Ser51)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cell division cycle protein 20 homolog (p55CDC)
Observed Band	50kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle pole .
Tissue Specificity	Colon,Colon adenocarcinoma,Liver,Lymph,Muscle,Ovary,Skin,Spleen,Testis,
Function	developmental stage:Synthesis is initiated at G1/S, protein level peaks in M phase and protein is abruptly degraded at M/G1 transition.,function:Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1. In metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated during mitosis, probably by maturation promoting factor (MPF).,PTM:Ubiquitinated and degraded by the proteasome during spindle assembly checkpoint.,similarity:Belongs to the WD repeat CDC20/Fizzy family.,similarity:Contains 7 WD repeats.,subunit:Found in a

	complex with CDC20, CDC27, SPATC1 and TUBG1. Interacts with SPATC1 (By similarity). Interacts with MAD2L
Background	CDC20 appears to act as a regulatory protein interacting with several other proteins at multiple points in the cell cycle. It is required for two microtubule-dependent processes, nuclear movement prior to anaphase and chromosome separation. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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