Datasheet for ABIN1881157

anti-Cyclin B2 antibody (pSer22)

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Overview

Quantity:	400 µL
Target:	Cyclin B2 (CCNB2)
Binding Specificity:	pSer22
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin B2 antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This CCNB2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S22 of human CCNB2.
Clone:	RB42147
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Cyclin B2 (CCNB2)
Alternative Name:	CCNB2 (CCNB2 Products)
Background:	Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1

Target Details

	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.
Molecular Weight:	45282
NCBI Accession:	NP_004692
UniProt:	O95067
Pathways:	Cell Division Cycle, M Phase

Application Details

Application Notes:	DB: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

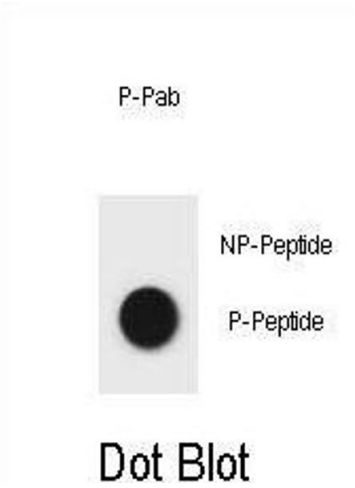
Publications

Product cited in:	Xiang, Jiang, Liu, Zhang, Zhu: "hMan2c1 transgene promotes tumor progress in mice." in: **Transgenic research**, Vol. 19, Issue 1, pp. 67-75, (2010) (PubMed). Tian, Ju, Zhou, Liu, Zhu: "Inhibition of alpha-mannosidase Man2c1 gene expression suppresses growth of esophageal carcinoma cells through mitotic arrest and apoptosis." in: **Cancer science**, Vol. 99, Issue 12, pp. 2428-34, (2008) (PubMed).

Publications

Qu, Ju, Chen, Shi, Xiang, Zhou, Tian, Liu, Zhu: "Inhibition of the alpha-mannosidase Man2c1 gene expression enhances adhesion of Jurkat cells." in: **Cell research**, Vol. 16, Issue 7, pp. 622-31, (2006) (PubMed).

Images



Dot Blot

Image 1. Dot blot analysis of CCNB2 Antibody (Phospho S22) Phospho-specific Pab (ABIN1881157 and ABIN2839949) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.