Datasheet for ABIN1724739

anti-CDC25C antibody

2 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	CDC25C
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDC25C antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human CDC25C expressed in E. coli.
Clone:	1F12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CDC25C
Alternative Name:	CDC25C (CDC25C Products)
Background:	Description: Cdc25C is a tyrosine phosphatase and belongs to the Cdc25 phosphatase family. It has been highly conserved during evolution and it plays a key role in the regulation of cell division. It directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It is also thought to suppress p53-induced growth arrest. Cdc25C is mainly expressed in G2

Target Details

	phase. Multiple alternatively spliced transcript variants of this gene have been described, however, the full-length nature of many of them is not known. Aliases: CDC25, CDC25C
Molecular Weight:	58 kDa
Gene ID:	995
HGNC:	995
Pathways:	Cell Division Cycle, M Phase

Application Details

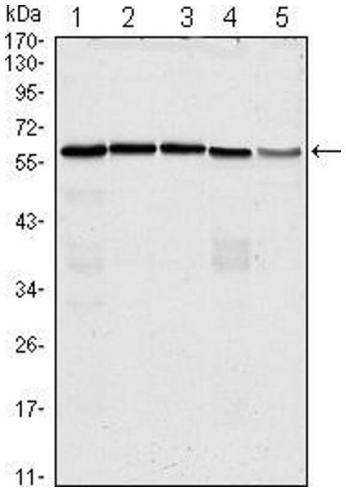
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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
Storage Comment:	4°C, -20°C for long term storage

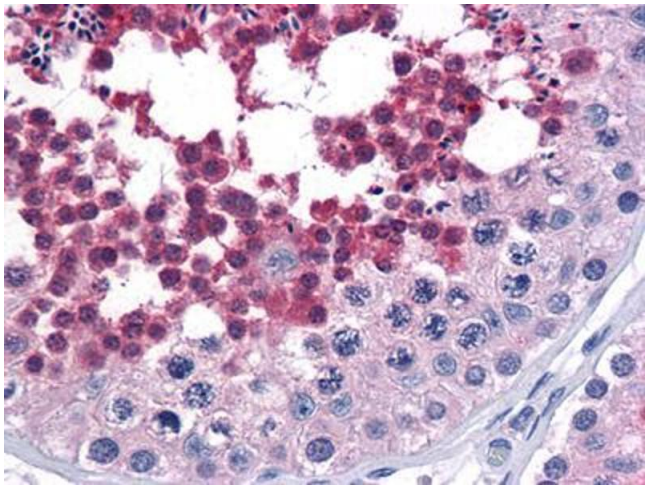
Publications

Product cited in:	Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) (PubMed). Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) (PubMed).



Western Blotting

Image 1. Western blot analysis using anti-CDC25C mAb against Hela (1), K562 (2), PC-3 (3), HEK293 (4) and Raw264.7 (5) cell lysate.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human Testis tissues using anti-CDC25C mouse mAb