Datasheet for ABIN3030450

anti-CDC25A antibody (pThr507)

6 Images

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Overview

Quantity:	0.4 mL
Target:	CDC25A
Binding Specificity:	pThr507
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC25A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	This phospho-CDC25A antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pT507 of human CDC25A.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine
Purification:	Antigen affinity purified

Target Details

Target:	CDC25A
Alternative Name:	Cdc25A (CDC25A Products)

Target Details

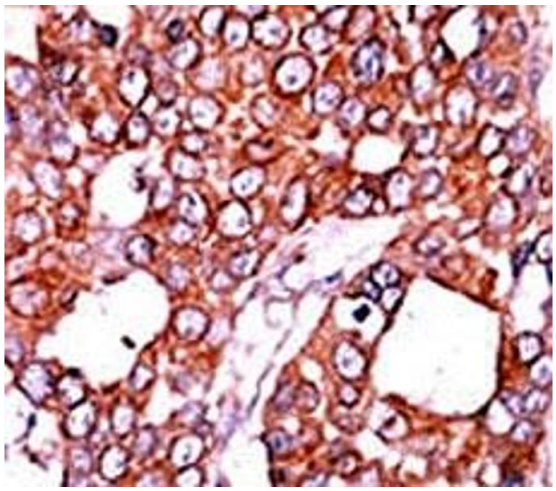
Background:	CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene.
UniProt:	P30304
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, M Phase

Application Details

Application Notes:	Titration of the phospho-CDC25A antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:25,Western blot: 1:250-1000,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

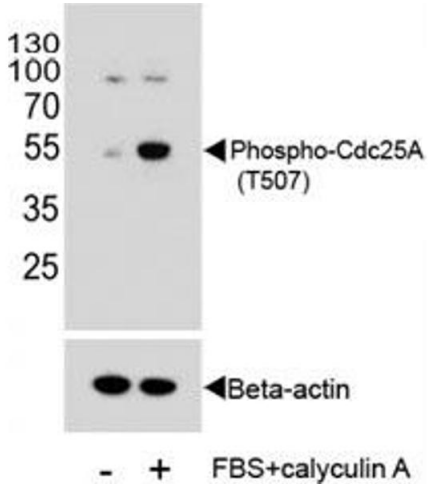
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the phospho-CDC25A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



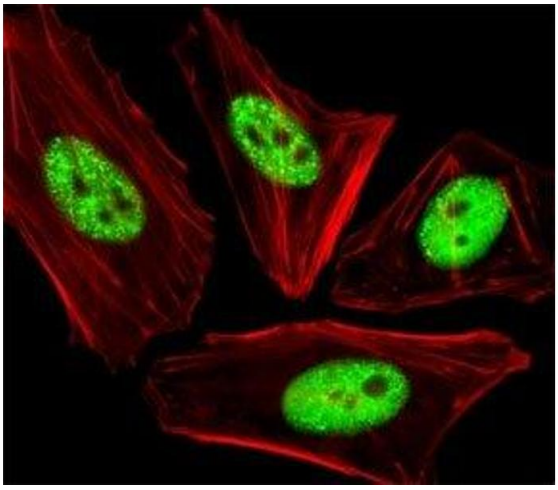
Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma tissue stained with the CDC25A antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells, untreated or treated with Calyculin A, using phospho-Cdc25A antibody. Predicted molecular weight: 59-70 kDa.



Immunofluorescence

Image 3. Fluorescent image of HeLa cells stained with phospho-CDC25A antibody at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary Ab (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phall

Please check the product details page for more images. Overall 6 images are available for ABIN3030450.

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