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## Datasheet for ABIN7299590 anti-14-3-3 theta antibody (Center)

## 3 Images



## Overview

Quantity:	100 µL
Target:	14-3-3 theta (YWHAQ)
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Cow, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 theta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

## Product Details

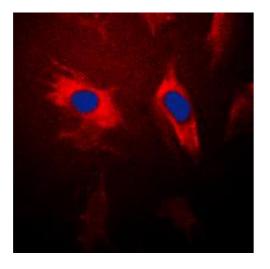
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human 14-3-3 theta.
Specificity:	Recognizes endogenous levels of 14-3-3 theta protein.
Characteristics:	Rabbit polyclonal antibody to 14-3-3 theta
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	
Target:	14-3-3 theta (YWHAQ)

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Target Details	
Background:	14-3-3 protein theta, 14-3-3 protein T-cell, 14-3-3 protein tau, Protein HS1
Gene ID:	10971, 102634437, 22630
UniProt:	P27348, P68254, P68255
Pathways:	Apoptosis, Myometrial Relaxation and Contraction
Application Details	
Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

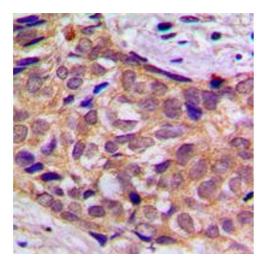
## Images

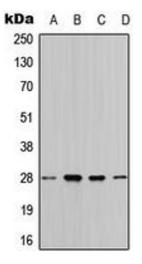


### Immunofluorescence

**Image 1.** Immunofluorescent analysis of 14-3-3 theta staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary

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antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

#### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of 14-3-3 theta staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### Western Blotting

**Image 3.** Western blot analysis of 14-3-3 theta expression in HeLa (A), MCF7 (B), SP2/0 (C), rat liver (D) whole cell lysates.

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