

Datasheet for ABIN544953
anti-14-3-3 zeta antibody (C-Term)[Go to Product page](#)[2 Images](#)[3 Publications](#)

Overview

Quantity:	400 µL
Target:	14-3-3 zeta (YWHAZ)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 zeta antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of YWHAZ.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human YWHAZ.
Cross-Reactivity:	Human, Mouse

Target Details

Target:	14-3-3 zeta (YWHAZ)
Alternative Name:	14-3-3 protein zeta/delta (YWHAZ Products)
Gene ID:	7534
Pathways:	Apoptosis , Hormone Transport , Myometrial Relaxation and Contraction , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Synaptic

Target Details

[Membrane](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#)

Application Details

Application Notes: ELISA (1:1000)
Western Blot (1:100-500)
Immunohistochemistry (1:50-100)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (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: 4 °C, -20 °C

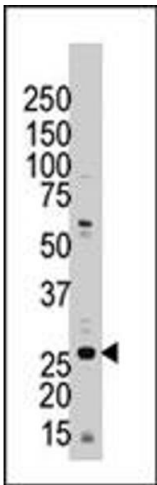
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Powell, Rane, Joughin, Kalmukova, Hong, Tidor, Dean, Pierce, Klein, Yaffe, McLeish: "Proteomic identification of 14-3-3zeta as a mitogen-activated protein kinase-activated protein kinase 2 substrate: role in dimer formation and ligand binding." in: **Molecular and cellular biology**, Vol. 23, Issue 15, pp. 5376-87, (2003) ([PubMed](#)).

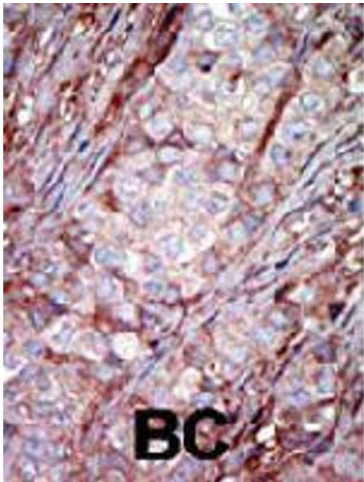
Zhu, Sun, Xu, Sang, Zhao, Liu, Cai, Li, Zhao: "The interaction between ADAM 22 and 14-3-3zeta: regulation of cell adhesion and spreading." in: **Biochemical and biophysical research communications**, Vol. 301, Issue 4, pp. 991-9, (2003) ([PubMed](#)).

Li, Inoki, Yeung, Guan: "Regulation of TSC2 by 14-3-3 binding." in: **The Journal of biological chemistry**, Vol. 277, Issue 47, pp. 44593-6, (2002) ([PubMed](#)).



Western Blotting

Image 1. The YWHAZ polyclonal antibody is used in Western blot to detect YWHAZ in Jurkat cell lysate.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with YWHAZ polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.