Datasheet for ABIN544954

anti-14-3-3 zeta antibody (Thr232)

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Overview

Quantity:	400 µL
Target:	14-3-3 zeta (YWHAZ)
Binding Specificity:	Thr232
Reactivity:	Human
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 residues surrounding T232 of human YWHAZ.
Cross-Reactivity:	Human

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

Target Details

	Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Synaptic Membrane, Production of Molecular Mediator of Immune Response, Maintenance of Protein Location

Application Details

Application Notes:	ELISA (1:1000) Western Blot (1:50-100) Immunohistochemistry (1:10-50) 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:	Li, Zhao, Du, Park, Sun, Bernal-Mizrachi, Aitken, Khuri, Fu: "Down-regulation of 14-3-3zeta suppresses anchorage-independent growth of lung cancer cells through anoikis activation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 1, pp. 162-7, (2008) (PubMed). Mateo, Llorca, Infante, Rodríguez-Rodríguez, Berciano, Combarros: "Gene-gene interaction between 14-3-3 zeta and butyrylcholinesterase modulates Alzheimer's disease risk." in: **European journal of neurology : the official journal of the European Federation of Neurological Societies**, Vol. 15, Issue 3, pp. 219-22, (2008) (PubMed).

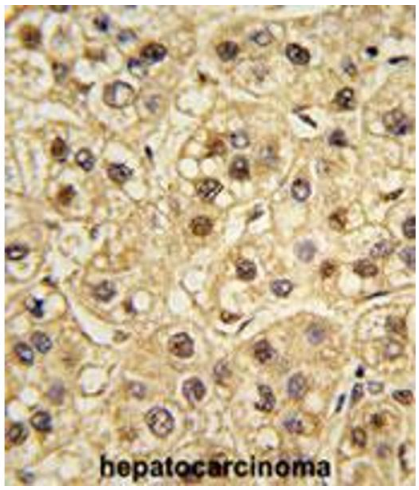
Publications

Li, Mofunanya, Harris, Takemaru: "Chibby cooperates with 14-3-3 to regulate beta-catenin subcellular distribution and signaling activity." in: **The Journal of cell biology**, Vol. 181, Issue 7, pp. 1141-54, (2008) (PubMed).

Images

Western Blotting

Image 1. Western blot analysis of YWHAZ polyclonal antibody in A-375 cell lysate (35 ug/lane). YWHAZ (arrow) was detected using the purified polyclonal antibody (1 : 60 dilution).



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human testisreacted 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.