

Datasheet for ABIN7138654
anti-14-3-3 zeta antibody (pSer58)



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3 Images

Overview

Quantity:	100 µL
Target:	14-3-3 zeta (YWHAZ)
Binding Specificity:	pSer58
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 zeta antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 58 (R-S-S(p)-W-R) derived from Human 14-3-3 zeta.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	14-3-3 zeta (YWHAZ)
Alternative Name:	YWHAZ (YWHAZ Products)

Target Details

Background: Background: This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99 % identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene.

Gu YM, et al. (2006) FEBS Lett , 580(1): 305-310

Powell DW, et al. (2003) Mol Cell Biol, 23(15): 5376-5387

Mackintosh C. (2004) Biochem J, 381(Pt 2): 329-342.

Aliases: 14 3 3 delta antibody, 14 3 3 protein zeta/delta antibody, 14 3 3 protein/cytosolic phospholipase A2 antibody, 14 3 3 zeta antibody, 14-3-3 protein zeta/delta antibody, 1433Z_HUMAN antibody, Epididymis luminal protein 4 antibody, Epididymis secretory protein Li 3 antibody, HEL S 3 antibody, HEL4 antibody, KCIP-1 antibody, KCIP1 antibody, MGC111427 antibody, MGC126532 antibody, MGC138156 antibody, Phospholipase A2 antibody, Protein kinase C inhibitor protein 1 antibody, Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein, delta polypeptide antibody, Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein, zeta antibody, Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein, zeta polypeptide antibody, Tyrosine 3/tryptophan 5 monooxygenase activation protein, zeta polypeptide antibody, YWHAD antibody, YWHAZ antibody

UniProt: [P63104](#)

Pathways: [Apoptosis](#), [Hormone Transport](#), [Myometrial Relaxation and Contraction](#), [Regulation of 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: WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,

Restrictions: For Research Use only

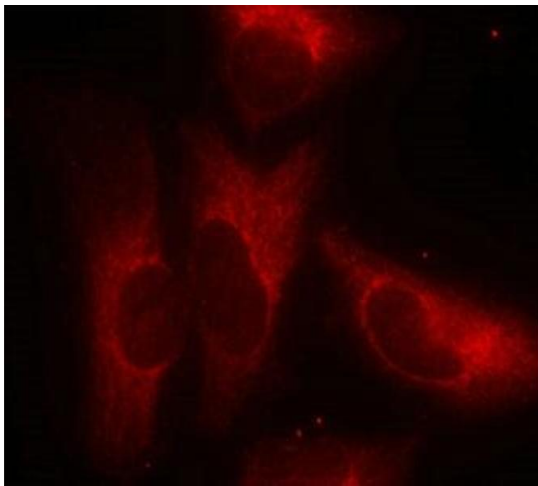
Handling

Format: Liquid

Handling

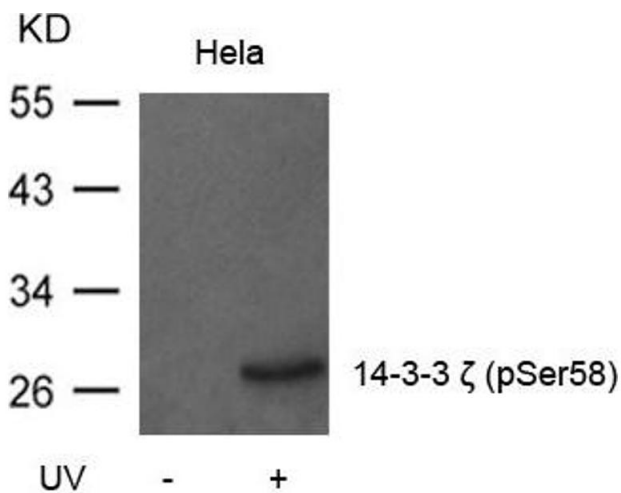
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



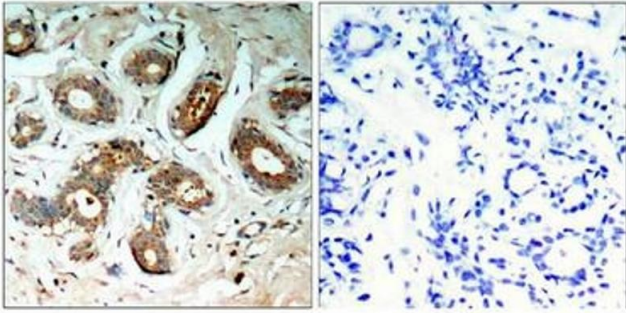
Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed HeLa cells using 14-3-3z(Phospho-Ser58) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells untreated or treated with UV using 14-3-3z(Phospho-Ser58) Antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using 14-3-3z(Phospho-Ser58) Antibody(left) or the same antibody preincubated with blocking peptide(right).