

14-3-3 ζ/δ (phospho Thr232) Polyclonal Antibody

Catalog No: YP0709

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: $14-3-3 \ \zeta/\delta$

Fields: >>Cell cycle;>>Oocyte meiosis;>>PI3K-Akt signaling pathway;>>Hippo

signaling pathway;>>Hepatitis C;>>Hepatitis B;>>Viral carcinogenesis

Gene Name: YWHAZ

Protein Name: 14-3-3 protein zeta/delta

P63104

P63101

Human Gene Id: 7534

Human Swiss Prot

No:

Mouse Gene ld: 22631

Mouse Swiss Prot

No:

Rat Gene Id: 25578

Rat Swiss Prot No: P63102

Immunogen: The antiserum was produced against synthesized peptide derived from human

14-3-3 zeta/delta around the phosphorylation site of Thr232. AA range:196-245

Specificity: Phospho-14-3-3 ζ/δ (T232) Polyclonal Antibody detects endogenous levels of

14-3-3 ζ/δ protein only when phosphorylated at T232.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, lgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

1/3



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 28kD

Cell Pathway: Akt_PKB;Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte

meiosis; Neurotrophin; Pathogenic Escherichia coli infection;

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. [provided by RefSeq, Oct 2008],

Function: caution:Was originally (PubMed:1577711) thought to have phospholipase A2

activity.,function:Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif.

Binding generally results in the modulation of the activity of the binding partner.,PTM:The delta, brain-specific form differs from the zeta form in being

phosphorylated (By similarity). Phosphorylation on Ser-184 by MAPK8; promotes dissociation of BAX and translocation of BAX to mitochondria. Phosphorylation on Ser-58 by PKA; disrupts homodimerization and heterodimerization with YHAE and TP53. This phosphorylation appears to be activated by sphingosine.

Phosphorylation on Thr-232; inhibits binding of RAF1.,similarity:Belongs to the

14-3-3 family., subcellular location: Located to

Subcellular Location:

Tag:

Cytoplasm . Melanosome . Located to stage I to stage IV melanosomes.

Expression : B-cell lymphoma, Bone marrow

orthogonal

Sort : 1483

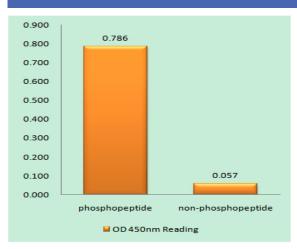
No4: 1

Host: Rabbit

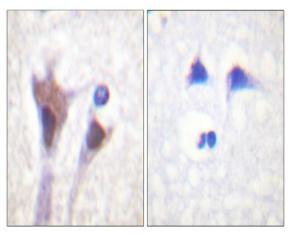
Modifications:

Phospho

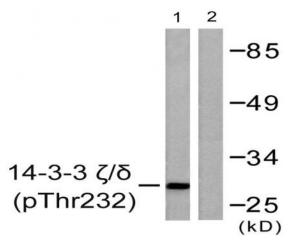
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using 14-3-3 zeta/delta (Phospho-Thr232) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using 14-3-3 zeta/delta (Phospho-Thr232) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with UV 15', using 14-3-3 zeta/delta (Phospho-Thr232) Antibody. The lane on the right is blocked with the phospho peptide.