



14-3-3 β/ζ Monoclonal Antibody

Catalog No	YP-mAb-03656
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	YWHAB/YWHAZ
Immunogen	The antiserum was produced against synthesized peptide derived from human YWHAZ. AA range:151-200
Specificity	14-3-3 β/ζ Monoclonal Antibody detects endogenous levels of 14-3-3 β/ζ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	14-3-3 β/ζ ;YWHAB/YWHAZ;14-3-3 protein beta/alpha/14-3-3 protein zeta/delta; YWHAZ;14-3-3 protein zeta/delta;Protein kinase C inhibitor protein 1;KCIP-1; YWHAB;14-3-3 protein beta/alpha;Protein 1054
Observed Band	24kD
Calculated Molecular Weight	24kD
Cell Pathway	Cytoplasm . Melanosome . Located to stage I to stage IV melanosomes.
Tissue Specificity	B-cell lymphoma,Bone marrow
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

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

