



# 14-3-3-pan mouse mAb

<b>Catalog No</b>	YP-mAb-04359
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	YWHAB
<b>Protein Name</b>	14-3-3-pan
<b>Immunogen</b>	Synthesized peptide derived from human 14-3-3-pan
<b>Specificity</b>	This antibody detects endogenous levels of Human,Mouse,Rat 14-3-3-pan
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	14-3-3 protein beta/alpha (Protein 1054;Protein kinase C inhibitor protein 1;KCIP-1) [Cleaved into: 14-3-3 protein beta/alpha, N-terminally processed]
<b>Observed Band</b>	30kD
<b>Cell Pathway</b>	Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.; Vacuole membrane . (Microbial infection) Upon infection with Chlamydia trachomatis, this protein is associated with the pathogen-containing vacuole membrane where it colocalizes with IncG. .
<b>Tissue Specificity</b>	
<b>Function</b>	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. Negative regulator of osteogenesis.,PTM:Isoform Short contains a N-acetylmethionine at position 1.,PTM:The alpha, brain-specific form differs from the beta form in being phosphorylated.,similarity:Belongs to the 14-3-3 family.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Homodimer. Interacts with SSH1 and TORC2/CRTC2. Interacts with ABL1; the interaction results in cytoplasmic location of ABL1 and inhibition of cABL-mediated apoptosis. Interacts with ROR2 (dimer); the interaction results in phosphorylation of YWHAB

**Background**

This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 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**