



# 14-3-3 $\gamma$ Polyclonal Antibody

<b>Catalog No</b>	BYab-03657
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	YWHAG
<b>Protein Name</b>	14-3-3 protein gamma
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human 14-3-3 gamma. AA range:51-100
<b>Specificity</b>	14-3-3 $\gamma$ Polyclonal Antibody detects endogenous levels of 14-3-3 $\gamma$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	YWHAG; 14-3-3 protein gamma; Protein kinase C inhibitor protein 1; KCIP-1
<b>Observed Band</b>	28kD
<b>Cell Pathway</b>	Cytoplasm .
<b>Tissue Specificity</b>	Highly expressed in brain, skeletal muscle, and heart.
<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.,PTM:Phosphorylated by various PKC isozymes.,similarity:Belongs to the 14-3-3 family.,subunit:Homodimer. Interacts with RAF1, SSH1 and CRTC2/TORC2. Interacts with ABL1 (phosphorylated form); the interaction retains it in the cytoplasm.,tissue specificity:Highly expressed in brain, skeletal muscle, and heart.,

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**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 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways. [provided by RefSeq, Jul 2008],

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**matters needing attention**

Avoid repeated freezing and thawing!

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**Usage suggestions**

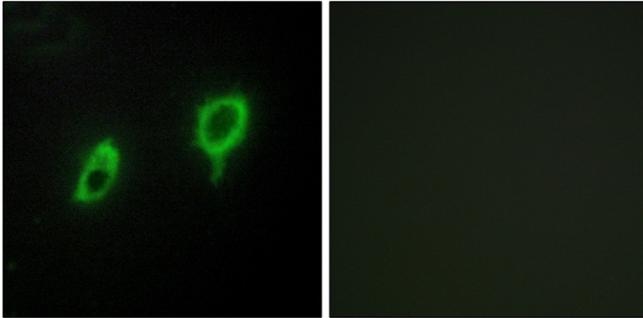
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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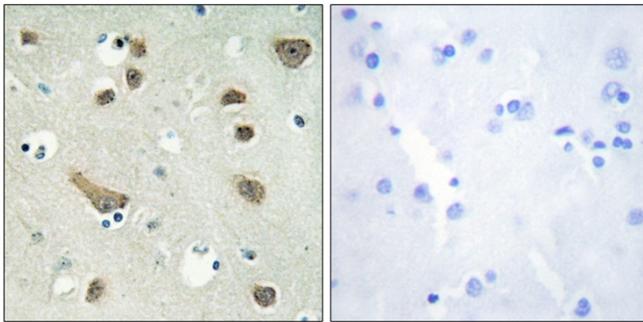
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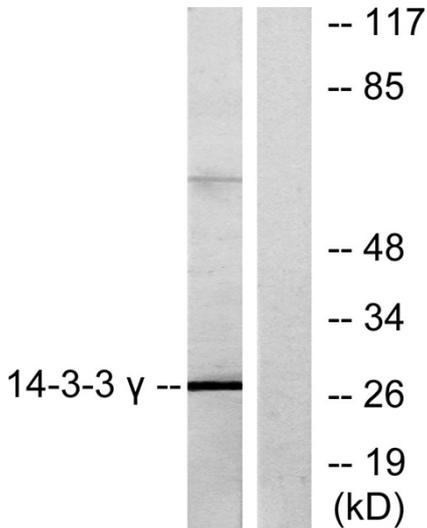
## Products Images



Immunofluorescence analysis of COS7 cells, using 14-3-3 gamma Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using 14-3-3 gamma Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, treated with insulin 0.01U/ml 15', using 14-3-3 gamma Antibody. The lane on the right is blocked with the synthesized peptide.