

**14-3-3  $\gamma$  rabbit pAb****Cat#: orb770397 (Manual)**

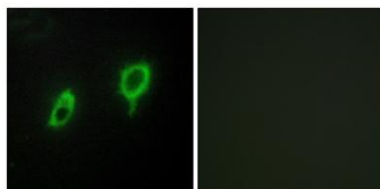
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	14-3-3 $\gamma$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</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>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>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	14-3-3 protein gamma
<b>Gene Name</b>	YWHAG
<b>Cellular localization</b>	Cytoplasm .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

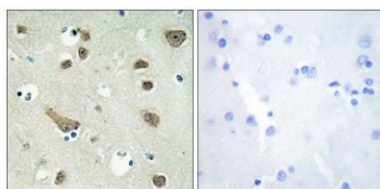
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	28kD
<b>Human Gene ID</b>	7532
<b>Human Swiss-Prot Number</b>	P61981
<b>Alternative Names</b>	YWHAG; 14-3-3 protein gamma; Protein kinase C inhibitor protein 1; KCIP-1

### Background

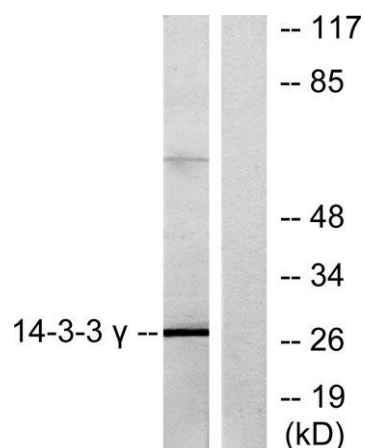
This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the rat ortholog. It is induced by growth factors 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],



**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.