

**AP17846PU-N****Polyclonal Antibody to 14-3-3 protein gamma****Alternate names:**

KCIP-1, Protein kinase C inhibitor protein 1, YWHAG

**Quantity:**

0.4 ml

**Concentration:**

lot specific

**Background:**

YWHAG 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.

**Uniprot ID:**[P61981](#)**NCBI:**[NP\\_036611](#)**GeneID:**[7532](#)**Host:**

Rabbit

**Immunogen:**

KLH conjugated synthetic peptide selected from the Center region of human YWHAG

**Format:****State:** Liquid purified Ig**Purification:** Saturated Ammonium Sulfate (SAS) precipitation**Buffer System:** PBS with 0.09% (W/V) sodium azide**Applications:**

ELISA: 1/1,000.

Western blotting: 1/50 - 1/100.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody reacts to 14-3-3 protein gamma.

**Species:** Human, Mouse.

Other species not tested.

**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

1. Jagemann, L.R., et.al., J. Biol. Chem. 283 (25), 17450-17462 (2008)

**Pictures:**

Western blot analysis of YWHAG Antibody (Center) (AP17846PU-N) in mouse cerebellum tissue lysates (35ug/lane). YWHAG (arrow) was detected using the purified Pab.

