

Rabbit YWHAG Polyclonal Antibody | anti-YWHAG antibody

YWHAG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326888	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

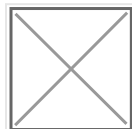
PRODUCT SYNONYMS

YWHAG; Polyclonal Antibody; YWHAG Antibody; 14 3 3 gamma; 14 3 3 protein gamma; 14 3 3 protein gamma subtype; 14 3 3gamma; 14-3-3 protein gamma; 1433G_HUMAN; 3 monooxygenase/tryptophan 5 monooxygenase activation protein gamma polypeptide; KCIP 1; KCIP-1; KCIP1; N-terminally processed; Protein kinase C inhibitor protein 1; Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein gamma polypeptide; Ywhag; anti-YWHAG antibody

PRODUCT SPECIFICATIONS

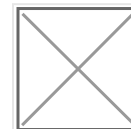
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	YWHAG antibody detects endogenous levels of total YWHAG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for anti-YWHAG antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human YWHAG
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in brain, skeletal muscle, and heart.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326888 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of Jurkat, using YWHAG antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326888 at 1/100 staining mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAG antibody	<p>Description: 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.</p> <p>Function: Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. 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.</p> <p>Subunit Structure: Homodimer. Interacts with SAMSN1 (By similarity). Interacts with RAF1, SSH1 and CRTC2/TORC2. Interacts with ABL1 (phosphorylated form); the interaction retains it in the cytoplasm. Interacts with GAB2. Interacts with MDM4 (phosphorylated); negatively regulates MDM4 activity toward TP53. Interacts with PKA-phosphorylated AANAT and SIRT2. Interacts with the 'Thr-369' phosphorylated form of DAPK2 (PubMed:26047703). Interacts with PI4KB, TBC1D22A and TBC1D22B (PubMed:23572552). Interacts with SLITRK1 (PubMed:19640509).</p> <p>Post-translational Modifications: Phosphorylated by various PKC isozymes.</p> <p>Similarity: Belongs to the 14-3-3 family.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21464101
NCBI GeneID	7532
NCBI Accession #	NP_036611.2
NCBI GenBank Nucleotide #	NM_012479.3
UniProt Accession #	P61981; O70457; P35214; Q6FH52; Q9UDP2; Q9UN99
Molecular Weight	Observed: 28 kDa Predicted: 29 kDa
NCBI Official Full Name	14-3-3 protein gamma
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma
NCBI Official Symbol	YWHAG
NCBI Official Synonym Symbols	EIEE56; PPP1R170; 14-3-3GAMMA
NCBI Protein Information	14-3-3 protein gamma
UniProt Protein Name	14-3-3 protein gamma
UniProt Gene Name	YWHAG
UniProt Synonym Gene Names	KCIP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

