

Rabbit 14-3-3 gamma Polyclonal Antibody | anti-YWHAG antibody

14-3-3 gamma Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324183	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

14-3-3 gamma; Polyclonal Antibody; 14-3-3 gamma 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

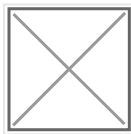
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	14-3-3 gamma antibody detects endogenous levels of total 14-3-3 gamma
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 synthesized peptide
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in brain, skeletal muscle, and heart.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA324183 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.



IF (Immunofluorescence)
AAA324183 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 from K562 cells, treated with insulin (0.01U/ml, 15mins), using 14-3-3 gamma antibody.



WB (Western Blot)
Western blot analysis of extracts from 293, rat brain, mouse lung, rat spleen, using 14-3-3 gamma Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAG antibody

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.

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).

Post-translational Modifications: Phosphorylated by various PKC isozymes.

Similarity: Belongs to the 14-3-3 family.

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 kD 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/14-3-3-gamma-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324183>