

Rabbit YWHAQ Polyclonal Antibody | anti-YWHAQ antibody

YWHAQ Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326765	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

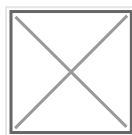
PRODUCT SYNONYMS

YWHAQ; Polyclonal Antibody; YWHAQ Antibody; 14 3 3 protein T cell; 14 3 3 protein tau; 14 3 3 protein theta; 14 3 3 tau; 14 3 3 theta; 14-3-3 protein T-cell; 14-3-3 protein tau; 14-3-3 protein theta; 1433T_HUMAN; 1C5; HS1; KCIP1; Protein HS1; Protein kinase C inhibitor protein 1; Protein tau; tyr3/trp5 monooxygenase activation protein; theta; Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein; theta polypeptide; Ywhaq; anti-YWHAQ antibody

PRODUCT SPECIFICATIONS

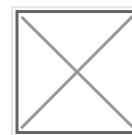
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	YWHAQ antibody detects endogenous levels of total YWHAQ
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	245
Applicable Applications for anti-YWHAQ antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human YWHAQ
Subcellular Location	Cytoplasmic
Tissue Specificity	Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in individuals with predominant lower motor neuron involvement.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326765 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 A549 whole cell lysates, using YWHAQ Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAQ antibody	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 99% identical to the mouse and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease. 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. Negatively regulates the kinase activity of PDPK1. Subunit Structure: Homodimer. Interacts with CDK16 (By similarity). Interacts with RGS7 (phosphorylated form) (PubMed:10862767). Interacts with SSH1. Interacts with CDKN1B ('Thr-198' phosphorylated form); the interaction translocates CDKN1B to the cytoplasm. Interacts with GAB2. Interacts with the 'Ser-241' phosphorylated form of PDPK1. Interacts with the 'Thr-369' phosphorylated form of DAPK2 (PubMed:26047703). Interacts with PI4KB, TBC1D22A and TBC1D22B (PubMed:23572552). Interacts with SLITRK1 (PubMed:19640509). Interacts with RIPOR2 isoform 2 (PubMed:25588844). Interacts with INAVA; the interaction increases upon PRR (pattern recognition receptor) stimulation and is required for cellular signaling pathway activation and cytokine secretion (PubMed:28436939). Post-translational Modifications: Ser-232 is probably phosphorylated by CK1. Similarity: Belongs to the 14-3-3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803227
NCBI GeneID	10971
NCBI Accession #	NP_006817.1
NCBI GenBank Nucleotide #	NM_006826.3
UniProt Accession #	P27348; Q567U5; Q5TZU8; Q9UP48; D6W4Z5
Molecular Weight	Observed: 28 kDa Predicted: 28 kDa
NCBI Official Full Name	14-3-3 protein theta
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein theta
NCBI Official Symbol	YWHAQ
NCBI Official Synonym Symbols	1C5; HS1; 14-3-3
NCBI Protein Information	14-3-3 protein theta
UniProt Protein Name	14-3-3 protein theta
UniProt Gene Name	YWHAQ

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/ywahaq-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/326765>