

Mouse anti-Human 14-3-3 tau Monoclonal Antibody | anti-14-3-3 tau antibody

14-3-3 tau antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48043	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

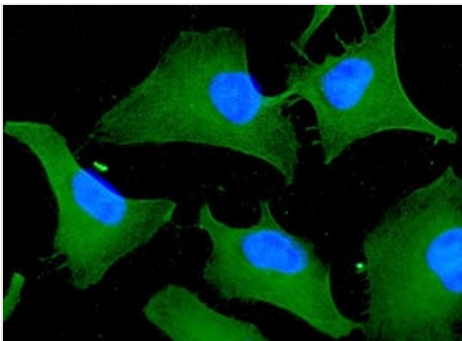
PRODUCT SYNONYMS

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

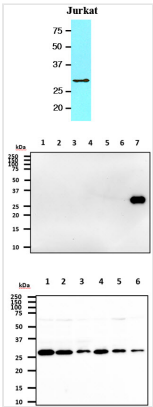
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1A1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	245
Applicable Applications for anti-14-3-3 tau antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human 14-3-3 tau (1-245aa) purified from E. coli
Clone Note	Anti-human 14-3-3 tau mAb, clone AT1A1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human 14-3-3 tau protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of 14-3-3 tau in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human 14-3-3 tau antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
Cell lysates of Jurkat (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human 14-3-3 tau (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PDVF membrane and probed with anti-human 14-3-3 tau antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Recombinant Human YWHAZ Lane 2. : Recombinant Human YWHAB Lane 3. : Recombinant Human YWHAE Lane 4. : Recombinant Human YWHAH Lane 5. : Recombinant Human YWHAG Lane 6. : Recombinant Human SFN Lane 7. : Recombinant Human YWHAQ The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PDVF membrane and probed with anti-human 14-3-3 tau antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : MDA-MB-21 cell lysate Lane 2. : HeLa cell lysate Lane 3. : A431 cell lysate Lane 4. : NIH3T3 cell lysate Lane 5. : 293T cell lysate Lane 6. : HepG2 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-14-3-3 tau antibody	The 14-3-3 family of proteins plays a key regulatory role in signal transduction, checkpoint control, apoptotic and nutrient-sensing pathways. 14-3-3 proteins are highly conserved and ubiquitously expressed. There are at least seven isoforms, beta, gamma, epsilon, sigma, zeta, tau and theta that have been identified in mammals. The 14-3-3 tau, a subtype of the 14-3-3 family of proteins, was found in T Cells, brain and testes. This 14-3-3 tau is upregulated in patients with amyotrophic lateral sclerosis.
Product Categories/Family for anti-14-3-3 tau antibody	Signal Transduction
References	Liu YC, et al., (1996) J Biol Chem 271:14591-14595; Xiao B, et al., (1995) Nature 376:188-191

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803227
NCBI GeneID	10971
NCBI Accession #	NP_006817
NCBI GenBank Nucleotide #	NM_006826.3
UniProt Accession #	P27348; Q567U5; Q5TZU8; Q9UP48; D6W4Z5
Molecular Weight	27,764 Da
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/monoclonal/14-3-3-tau-antibody-clone-at1a1-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48043>