

Rabbit THY1 Polyclonal Antibody | anti-THY1 antibody

THY1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326608	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

THY1; Polyclonal Antibody; THY1 Antibody; CD7; CD90; CD90 antigen; CDw90; FLJ33325; MGC128895; T25; Theta antigen; Thy 1; Thy 1 cell surface antigen; Thy 1 membrane glycoprotein; Thy 1 T cell antigen; Thy 1.2; Thy-1 antigen; Thy-1 membrane glycoprotein; Thy1; Thy1 antigen; Thy1 T cell antigen; Thy1.1; Thy1.2; THY1_HUMAN; Thymus cell antigen 1; theta; anti-THY1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	THY1 antibody detects endogenous levels of total THY1
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	161
Applicable Applications for anti-THY1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human THY1
Subcellular Location	Plasma Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of fetal brain, using THY1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326608 staining HuvEc 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.



IHC (Immunohistochemistry)

AAA326608 at 1/100 staining Human liver cancer 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-THY1 antibody	Description: Thy1 is a GPI-anchored, developmentally regulated protein involved in various signaling cascades that mediate neurite outgrowth, T cell activation, tumor suppression, apoptosis, and fibrosis (1). It is highly expressed on the surface of adult neurons and is thought to play a role in modulating adhesive and migratory events, such as neurite extension (1, 2). Decreased Thy1 expression is associated with the development of epithelial ovarian cancer, revealing its role as a putative tumor suppressor gene of human ovarian cancer (3, 4). Thy1 knockout mice have impaired cutaneous immune responses and abnormal retinal development (5, 6). Thy1 is epigenetically regulated, or deregulated in some disease states, such as pulmonary fibrosis. The potentially reversible hypermethylation of the Thy1 promoter offers the possibility of novel therapeutic options in this disease (7). Function: May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	902967471
NCBI GeneID	7070
NCBI Accession #	NP_001298089.1
NCBI GenBank Nucleotide #	NM_001311160.1
UniProt Accession #	P04216; Q16008; Q9NSP1
Molecular Weight	Observed: 18 kDa Predicted: 18 kDa
NCBI Official Full Name	thy-1 membrane glycoprotein preproprotein
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90; CDw90
NCBI Protein Information	thy-1 membrane glycoprotein
UniProt Protein Name	Thy-1 membrane glycoprotein
UniProt Gene Name	THY1

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/thy1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326608>