Rabbit anti-Mouse Thy1/CD90 Polyclonal Antibody | anti-THY1 antibody

Anti-Thy1/CD90 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259465	**Rabbit**	**Mouse**	**Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot**

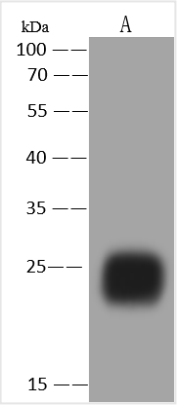
PRODUCT SYNONYMS

Thy1/CD90; Polyclonal Antibody; Anti-Thy1/CD90 Antibody; Rabbit Polyclonal; Thy1/CD90 Antibody; Rabbit PAb; Antigen Affinity Purified; Thy-1 cell surface antigen; Anti-CD90 Antibody; Anti-T25 Antibody; Anti-Thy-1 Antibody; Anti-Thy-1.2 Antibody; Anti-Thy1 Antibody; Anti-Thy1.1 Antibody; Anti-Thy1.2 Antibody; anti-THY1 antibody

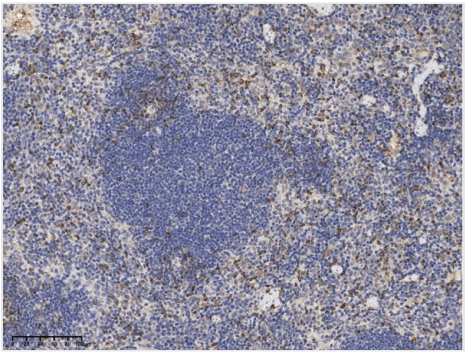
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Thy1/CD90
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-THY1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse Thy1/CD90 Protein (NP_033408.1; Met1-Cys131). Thy1/CD90 specific IgG was purified by Mouse Thy1/CD90 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

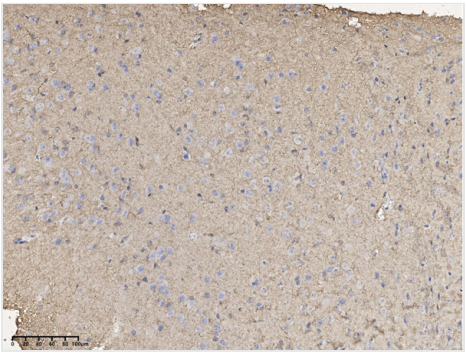
IMAGES



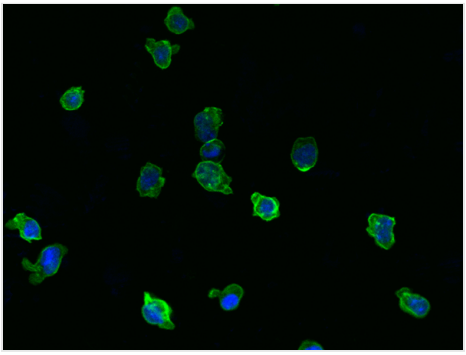
WB (Western Blot)
Anti-THY1 rabbit polyclonal antibody at 1:500 dilutionLane A: Mouse brain Whole Cell LysateLane B: Mouse kidney Whole Cell LysateLysates/proteins at 30ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique. Performed under reducing conditions.Predicted band size:18 kDaObserved band size:23 kDa



IHC (Immunohistochemisry)
Immunochemical staining of Mouse Thy1 in Mouse spleen with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohiostchemistry)
Immunochemical staining of Mouse Thy1 in Mouse brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IF (Immunofluorescence)
Immunofluorescence staining of mTHY1-His in EL4 cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Mouse mTHY1-His polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).Positive staining was localized to Cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-THY1 antibody	Thy-1 membrane glycoprotein, also known as Thy-1 antigen, CD90 and THY1, is a cell membrane protein which contains 1 Ig-like V-type (immunoglobulin-like) domain. It is a glycophosphatidylinositol-linked glycoprotein expressed on the surface of neurons, thymocytes, subsets of fibroblasts, endothelial cells, mesangial cells and some hematopoietic cells. It has been identified on a variety of stem cells and at varying levels in non-lymphoid tissues such as on fibroblasts, brain cells, and activated endothelial cells. Thy-1 is evolutionarily conserved, developmentally regulated, and often has dramatic effects on cell phenotype. Thy-1 is a 25-37 kDa glycosylphosphatidylinositol (GPI)-anchored protein involved in T cell activation, neurite outgrowth, apoptosis, tumor suppression, wound healing, and fibrosis. To mediate these diverse effects, Thy-1 participates in multiple signaling cascades. Thy-1 is an important regulator of cell-cell and cell-matrix interactions, with important roles in nerve regeneration, metastasis, inflammation, and fibrosis.
References	Reg. TA. e. al. (2006. Thy-. a. . regulato. o. cell-cel. an. cell-matri. interaction. i. axo. regeneration. apoptosis. adhesion. migration. cancer. an. fibrosis. FASE. J. 20(8). 1045-54.Fiege. HC. e. al. (2008. Lac. o. Thy. (CD90. expressio. i. neuroblastoma. i. correlate. wit. impaire. survival. Pediat. Sur. Int. 24(1). 101-5.Bradle. JE. e. al. (2009. Role. an. regulatio. o. Thy-1. . context-dependen. modulato. o. cel. phenotype. Biofactors. 35(3). 258-65.Kisselbac. L. e. al. (2009. CD9. Expressio. o. huma. primar. cell. an. eliminatio. o. contaminatin. fibroblast. fro. cel. cultures. Cytotechnology. 59(1). 31-44.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678347
NCBI GeneID	21838
NCBI Accession #	NP_033408.1
NCBI GenBank Nucleotide #	NM_009382.3
UniProt Accession #	P01831
Molecular Weight	18,080 Da
NCBI Official Full Name	thy-1 membrane glycoprotein preproprotein
NCBI Official Synonym Full Names	thymus cell antigen 1, theta
NCBI Official Symbol	Thy1
NCBI Official Synonym Symbols	T25; CD90; Thy-1; Thy1.1; Thy1.2; Thy-1.2
NCBI Protein Information	thy-1 membrane glycoprotein; Thy 1.2; thy-1 antigen
UniProt Protein Name	Thy-1 membrane glycoprotein
UniProt Gene Name	**Thy1**
UniProt Synonym Gene Names	Thy-1
UniProt Entry Name	THY1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/thy1-cd90-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/259465