

Rabbit anti-Human, Rat CD90/Thy1 Monoclonal Antibody | anti-CD90/Thy1 antibody

Anti-CD90/Thy1 Rabbit Monoclonal Antibody

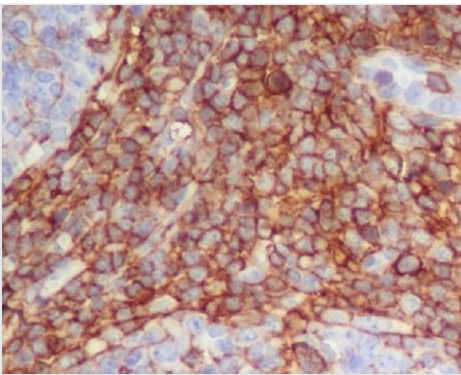
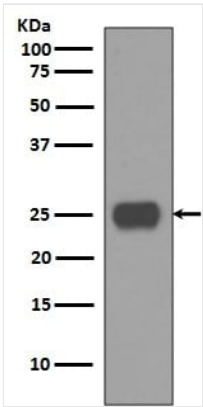
CATALOG # AAA47081	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Western Blot, Immunohistochemistry
------------------------------	-----------------------	---------------------------------	---

PRODUCT SYNONYMS

CD90/Thy1; Monoclonal Antibody; Anti-CD90/Thy1 Rabbit Monoclonal Antibody; Thy-1 membrane glycoprotein; CDw90; Thy-1 antigen; CD90; THY1; anti-CD90/Thy1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	161
Applicable Applications for anti-CD90/Thy1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human CD90/Thy1
Subcellular Localization	Cell membrane; Lipid-anchor, GPI-anchor.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil, using CD90 / Thy1 Antibody(AAA47081)THY1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-THY1 Antibody (AAA47081)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

WB (Western Blot)

Western blot analysis of CD90 expression in Human fetal brain lysate (AAA47081).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-THY1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for THY1

ADDITIONAL INFORMATION

Related Product Information for anti-CD90/Thy1 antibody	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
Product Categories/Family for anti-CD90/Thy1 antibody	Immunology; Adaptive Immunity; T Cells; Neuroscience; Cell Type Marker; neuron marker; synapse marker; Stem Cells; Hematopoietic Progenitors; Lymphoid; B Lymphocytic Lineage; T Lymphocytic Lineage; Myeloid; monocytic lineage

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	17935 MW
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd90-thy1-antibody-western-blot-immunohistochemistry-elisa/47081>