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Anti-CD90/Thy1 Antibody

Catalog # ABO10833

Product Information

Application	WB
Primary Accession	P04216
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Thy-1 membrane glycoprotein(THY1) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7070
Other Names	Thy-1 membrane glycoprotein, CDw90, Thy-1 antigen, CD90, THY1
Calculated MW	17935
Application Details	Western blot, 0.1-0.5 □g/ml, Rat, Human, Mouse
Subcellular Localization	Cell membrane ; Lipid-anchor, GPI-anchor .
Source	Eukaryota
Protein Name	Thy-1 membrane glycoprotein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD90(20-39aa QKVTSLTACLVDQSLRLDCR), different from the related mouse sequence by two amino acids, and from the related rat sequence by four amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Contains 1 Ig-like V-type (immunoglobulin-like) domain.

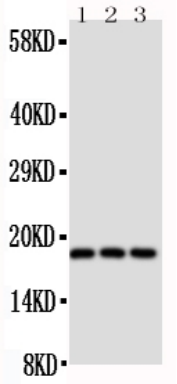
Protein Information

Name	THY1
Function	May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor

Background

CD90(Cluster of Differentiation 90) or Thy-1 is a 25 â€“37 kDa heavily N-glycosylated, glycophosphatidylinositol(GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. The CD90 gene is mapped to 11q23.3. Thy-1 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of Thy-1 lead to the foundation of the Immunoglobulin superfamily, of which it is the smallest member, and led to the first biochemical description and characterization of a vertebrate GPI anchor.

Images



Anti-CD90/Thy1 antibody, ABO10833, Western blottingLane 1: Rat Brain Tissue LysateLane 2: Rat Liver Tissue LysateLane 3: Rat Thymus Tissue Lysate