

**Anti-CD90/Thy1 Antibody**  
Catalog # ABO10833**Specification**

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**Anti-CD90/Thy1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P04216</a>
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.

**Anti-CD90/Thy1 Antibody - Additional Information**

**Gene ID** 7070

**Other Names**

Thy-1 membrane glycoprotein, CDw90, Thy-1 antigen, CD90, THY1

**Calculated MW**

17935 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Rat, Human, Mouse<br>

**Subcellular Localization**

Cell membrane ; Lipid-anchor, GPI-anchor .

**Protein Name**

Thy-1 membrane glycoprotein

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human CD90(20-39aa QKVTS~~L~~TACLVDQSLRLDCR), 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 reconstitution, 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.

### Anti-CD90/Thy1 Antibody - 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

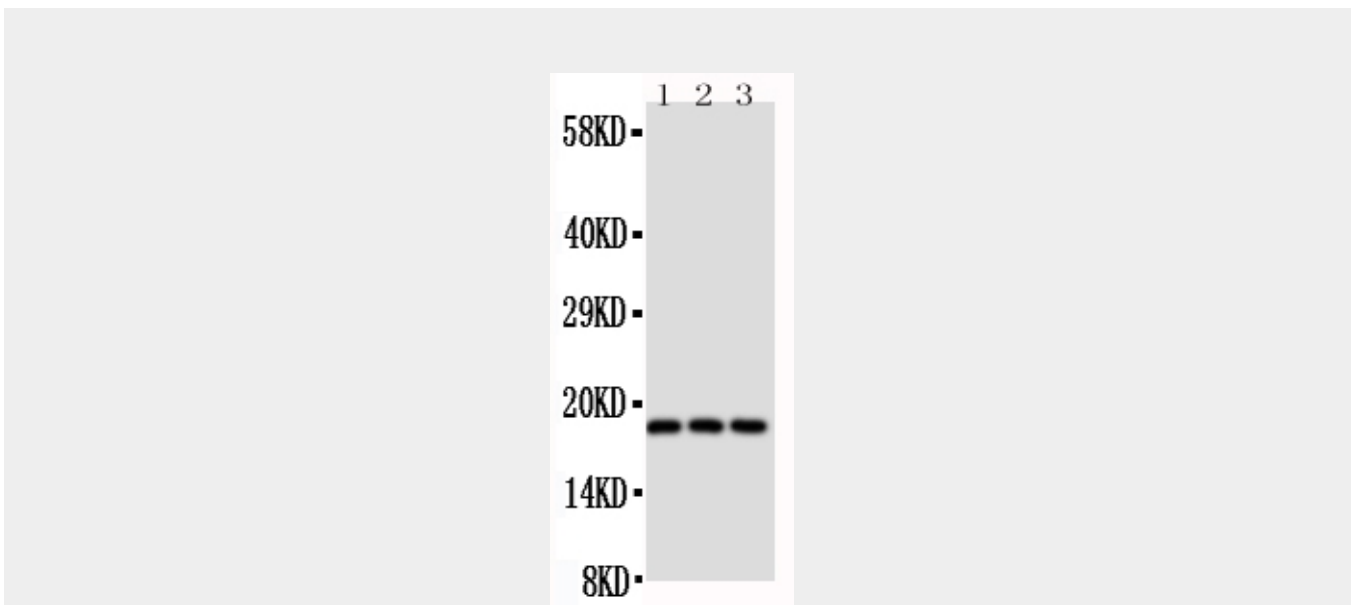
Cell membrane; Lipid-anchor, GPI- anchor

### Anti-CD90/Thy1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-CD90/Thy1 Antibody - Images



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

### **Anti-CD90/Thy1 Antibody - Background**

CD90 (Cluster of Differentiation 90) or Thy-1 is a 25–37 kDa heavily N-glycosylated, glycosylphosphatidylinositol (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 led 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.