

**Thy1/CD90 Antibody (NT)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11321****Specification**

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**Thy1/CD90 Antibody (NT) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P04216</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17935

**Thy1/CD90 Antibody (NT) - Additional Information****Gene ID** 7070

Positive Control

**Western blot: T47D, HL60 cell lysate, IHC: human hepatocarcinoma and cancer tissue**

Application & Usage

**WB: 1:1000, IHC: 1:50 - 1:100.**

**Other Names**

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

**Target/Specificity**

Thy1/CD90

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

In PBS with 0.09% (W/V) sodium azide.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Thy1/CD90 Antibody (NT) is for research use only and not for use in diagnostic or therapeutic procedures.

## Thy1/CD90 Antibody (NT) - 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

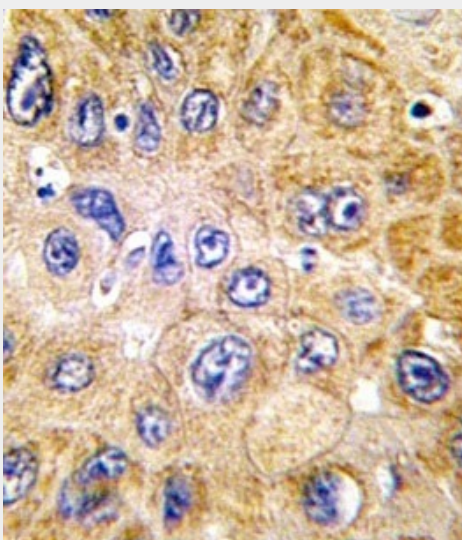
Cell membrane; Lipid-anchor, GPI- anchor

## Thy1/CD90 Antibody (NT) - Protocols

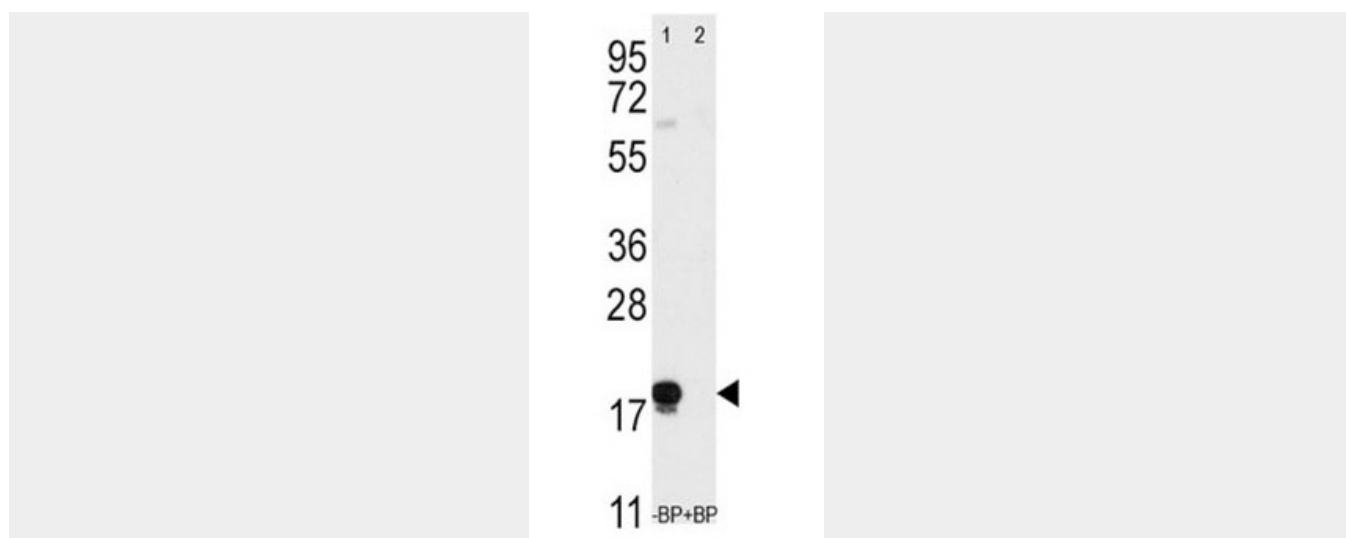
Provided below are standard protocols that you may find useful for product applications.

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

## Thy1/CD90 Antibody (NT) - Images



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with THY1 antibody (NT) which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western blot analysis of anti-THY1 (NT) Pab pre-incubated without (lane 1) and with (lane 2) blocking peptide (BP2050a) in T47D cell line lysate. THY1 (NT) (arrow) was detected using the purified Pab.

#### **Thy1/CD90 Antibody (NT) - Background**

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. 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. 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. Thy1 knockout mice have impaired cutaneous immune responses and abnormal retinal development. 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.