

# THY1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2050a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P04216</a>
<b>Reactivity</b>	Human, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	17935
<b>Antigen Region</b>	36-65

## Additional Information

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<b>Gene ID</b>	7070
<b>Other Names</b>	Thy-1 membrane glycoprotein, CDw90, Thy-1 antigen, CD90, THY1
<b>Target/Specificity</b>	This THY1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-65 amino acids from the N-terminal region of human THY1.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	THY1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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

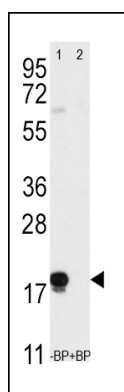
## Background

THY1 (CD90) antigen is a GPI linked glycoprotein member of the Immunoglobulin superfamily. It is expressed on murine T cells, thymocytes, neural cells, cells of granulocytic lineage, early hematopoietic progenitors, fibroblasts, neurons and Kupffer's cells. Thy1 may play a role in cell to cell or cell to ligand interactions during synaptogenesis and other events in the brain.

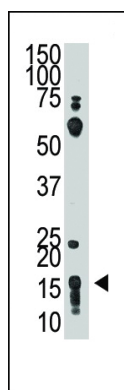
## References

Koumas, L., et al., Am. J. Pathol. 163(4):1291-1300 (2003). Abeyasinghe, H.R., et al., Cancer Genet. Cytogenet. 143(2):125-132 (2003). Saalbach, A., et al., Microvasc. Res. 64(1):86-93 (2002). Henniker, A.J., J. Biol. Regul. Homeost. Agents 15(4):392-393 (2001). Ye, Z., et al., Biochem. Biophys. Res. Commun. 275(1):223-227 (2000).

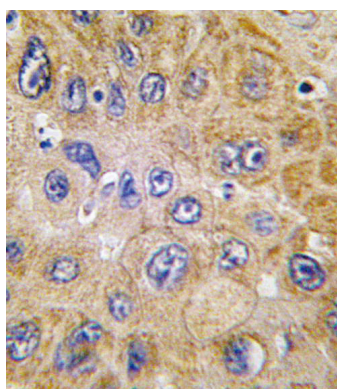
## Images



Western blot analysis of anti-THY1 (N-term) Pab (Cat.#AP2050a) pre-incubated without(lane 1) and with(lane 2) blocking peptide (BP2050a) in T47D cell line lysate. THY1 (N-term)(arrow) was detected using the purified Pab .

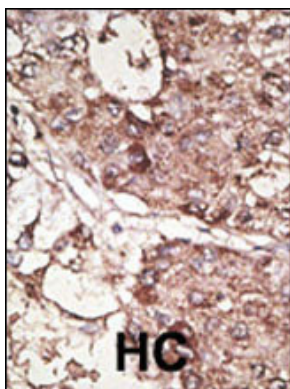


The anti-THY1 (N-term) Pab (Cat. #AP2050a) is used in Western blot to detect THY1 in HL60 cell lysate.

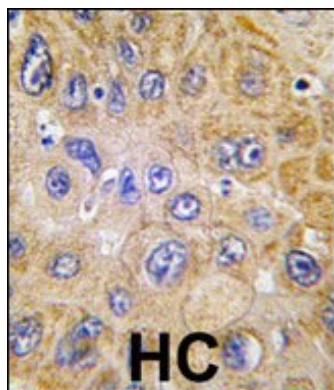


Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with THY1 antibody (N-term) (Cat.#AP2050a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use



of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with THY1 antibody (N-term) (Cat.#AP2050a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## Citations

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- [The clinical pathological significance of Thy1 and CD49f expression in chondrosarcomas.](#)
- [Quantitative Analysis of Differential Proteome Expression in Bladder Cancer vs. Normal Bladder Cells Using SILAC Method.](#)
- [Analogy between sphere forming ability and stemness of human hepatoma cells.](#)
- [High expression levels of putative hepatic stem/progenitor cell biomarkers related to tumour angiogenesis and poor prognosis of hepatocellular carcinoma.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.