

Anti-CD90 / THY1 Antibody

R1107-9



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 18 kDa

Description: Thy-1 or CD90 is a 25–37 kDa heavily N-glycosylated, glycoposphatidylinositol (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. 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. Thy-1 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons.

Immunogen: Synthetic peptide corresponding to of Human THY-1 aa 1-50 / 161.

Positive control: Mouse brain tissue lysates.

Subcellular location: Cell membrane

Database links: SwissProt: P04216 Human | P01831 Mouse | P01830 Rat

Recommended Dilutions:

WB 1:10,000

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

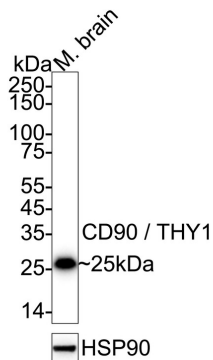


Fig1: Western blot analysis of CD90 / THY1 on mouse brain tissue lysates with Rabbit anti-CD90 / THY1 antibody (R1107-9) at 1/10,000 dilution.

Lysates/proteins at 40 µg/Lane.

Predicted band size: 18 kDa

Observed band size: 25 kDa

Exposure time: 10 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (R1107-9) at 1/10,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. "Expression of Thy-1 on human hematopoietic progenitor cells." Craig W., Kay R., Cutler R.L., Lansdorp P.M.J. Exp. Med. 177:1331-1342(1993)
2. "Significance of CD90+ cancer stem cells in human liver cancer." Yang Z F, Ho D W, Ng M N, et al. Cancer Cell 13(2) :153-166(2008)

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