

Product Datasheet

CD90 Antibody

Catalog No: CY5335

Reactivity: Human Rat

Isotype: Rabbit IgG

Applications: WB IHC



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Information

UniProt ID: P04216

All Names: Thy-1 membrane glycoprotein; Thy-1 antigen; CDw90; CD90; THY1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 18 kDa

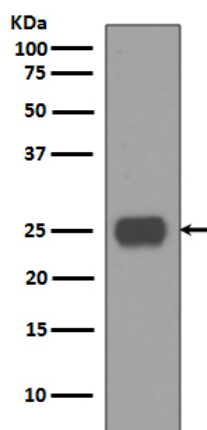
Application

WB: 1:1000~1:2000

IHC: 1:50~1:200

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.



Western blot analysis of CD90 expression in Human fetal brain lysate.

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