

THY1

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:1000 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 18kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human THY1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

a

Synonym:

CD90; FLJ33325;

Catalog #: A2126

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 7070

Isotype: IgG

Swiss Prot: P04216

Purity: Affinity purification

For research use only.

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 (1). 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 (1,2). 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 (3,4). Thy1 knockout mice have impaired cutaneous immune responses and abnormal retinal development (5,6). 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 (7).

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