THY1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	THY1, Polyclonal Antibody
Full Product Name	THY1 Polyclonal Antibody
Product Gene Name	anti-THY1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	17kDa
OMIM	188230
3D Structure	ModBase 3D Structure for P04216
Immunogen	A synthetic peptide of human THY1.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-THY1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-THY1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-THY1 antibody	This gene encodes a cell surface glycoprotein and member of the immunoglobulin superfamily of proteins. The encoded protein is involved in cell adhesion and cell communication in numerous cell types, but particularly in cells of the immune and nervous systems. The encoded protein is widely used as a marker for hematopoietic stem cells. This gene may function as a tumor suppressor in nasopharyngeal carcinoma. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-THY1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for THY1 purchase	MBS8571620 is an antibody targeting THY1. Also known as THY1 Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for THY1. It may not necessarily be applicable to this product.

NCBI GI #	19923362
NCBI GeneID	7070
NCBI Accession #	NP_006279.2
UniProt Primary Accession #	P04216

UniProt Related Accession #	P04216
GenBank Nucleotide #	NP_006279.2
NCBI Official Full Name	thy-1 membrane glycoprotein isoform 1 preproprotein
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90; CDw90
UniProt Protein Name	Thy-1 membrane glycoprotein
UniProt Synonym Protein Names	CDw90; Thy-1 antigen
Protein Family	Thy-1 membrane glycoprotein
UniProt Gene Name	THY1
UniProt Entry Name	THY1_HUMAN
NCBI Protein Information	thy-1 membrane glycoprotein
UniProt Comments for THY1	THY1: May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. Protein type: Motility/polarity/chemotaxis; Membrane protein, GPI anchor; Cell adhesion Chromosomal Location of Human Ortholog: 11q23.3 Cellular Component: anchored to external side of plasma membrane; focal adhesion; growth cone; endoplasmic reticulum; integral to plasma membrane; dendrite; apical plasma membrane; plasma membrane; cytosol; lipid raft; external side of plasma membrane Molecular Function: integrin binding; protein binding; protein kinase binding Biological Process: focal adhesion formation; cell-cell adhesion; retinal cone cell development; negative regulation of T cell receptor signaling pathway; negative regulation of protein kinase activity; negative regulation of axonogenesis; cytoskeleton organization and biogenesis; angiogenesis; positive regulation of T cell activation; positive regulation of release of sequestered calcium ion into cytosol; T cell receptor signaling pathway; negative regulation of cell migration; positive regulation of GTPase activity
Research Articles on THY1	**1.** CD90 fibroblasts likely arise from the resting CD34 fibroblastic network. Actively collagenizing scar fibroblasts exhibit a CD90/CD34 phenotype, which is prolonged in pathologic scars.
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