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THY1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1848a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P04216
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7E1B11
Isotype	IgG1
Calculated MW	17935
Description	THY1 may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain
Immunogen	Purified recombinant fragment of human THY1 (AA: 17-132) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	7070
Other Names	Thy-1 membrane glycoprotein, CDw90, Thy-1 antigen, CD90, THY1
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 ICC~~N/A E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	THY1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

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

Background

This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described. ; ;

References

1. Acta Histochem. 2011 Dec;113(8):833-8. 2. J Immunol. 2012 Feb 1;188(3):981-91.

Images

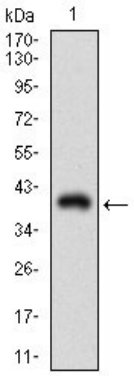


Figure 1: Western blot analysis using THY1 mAb against human THY1 recombinant protein. (Expected MW is 38.5 kDa)

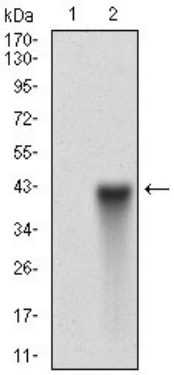


Figure 2: Western blot analysis using THY1 mAb against HEK293 (1) and THY1 (AA: 17-132)-hIgGFc transfected HEK293 (2) cell lysate.

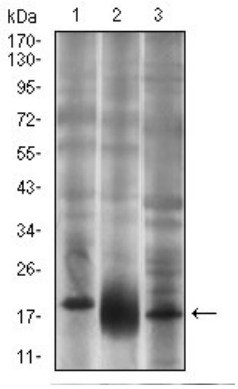
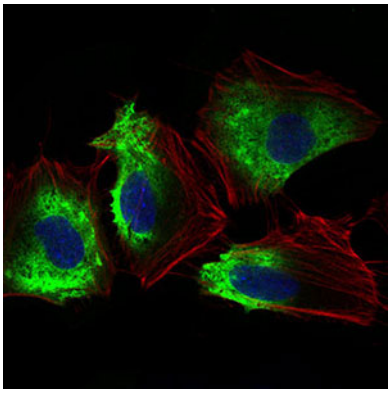


Figure 3: Western blot analysis using THY1 mouse mAb against T47D (1), HepG2 (2) and PC-12 (3) cell lysate.

Figure 4: Immunofluorescence analysis of Hela cells using THY1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



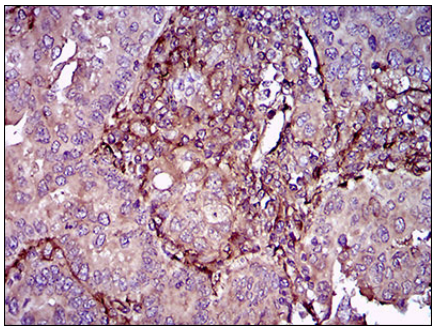


Figure 5: Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using THY1 mouse mAb with DAB staining.

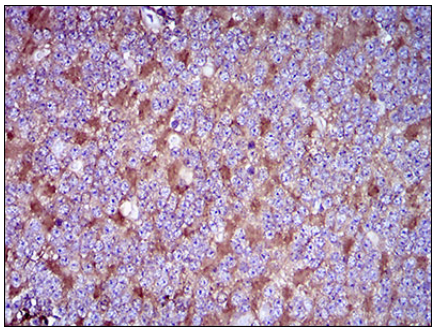


Figure 6: Immunohistochemical analysis of paraffin-embedded cerebellum tissues using THY1 mouse mAb with DAB staining.

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