

Product Datasheet

CD90/Thy-1 Recombinant Rabbit Monoclonal Antibody (orb1816877)

Description	CD90/Thy-1 Recombinant Rabbit Monoclonal Antibody
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	IF, IHC-Fr, IHC-P, WB
Immunogen	KLH conjugated synthetic peptide derived from human CD90/Thy-1
Target	THY1
Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Form/Appearance	Liquid
Concentration	1mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Isotype	IgG
Clonality	Recombinant
Clone Number	4C6
MW	12 kDa
Uniprot ID	P04216

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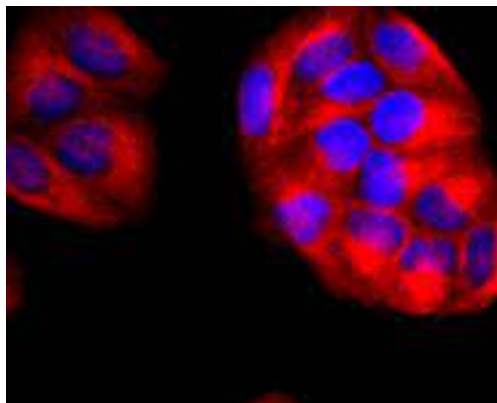
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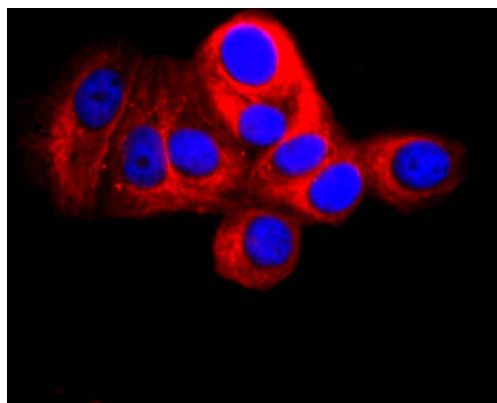
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Dilution Range WB=1:1000-5000, IHC-P=1:50-200, IHC-F=1:50-200, IF=1:50-200

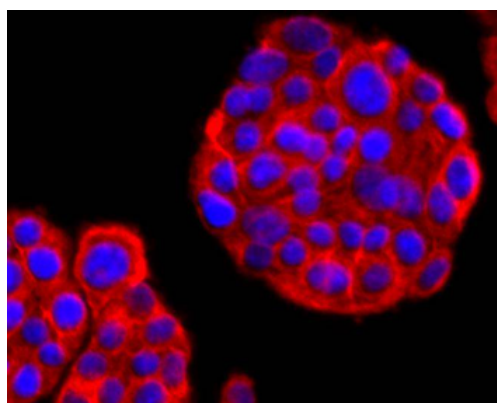
Expiration Date 12 months from date of receipt.



ICC staining of THY1 in HeLa cells (red). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (orb1816877, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®594 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1000 dilution. The nuclear counter stain is DAPI (blue).



ICC staining of THY1 in MCF-7 cells (red). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (orb1816877, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®594 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1000 dilution. The nuclear counter stain is DAPI (blue).



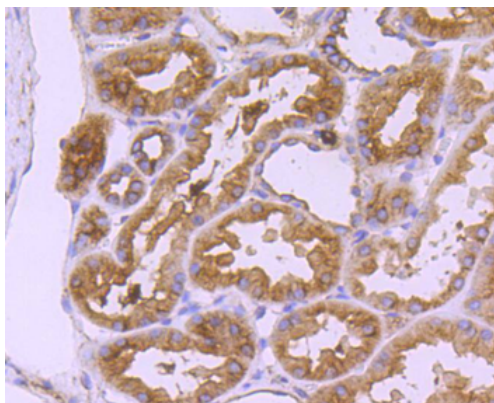
ICC staining of THY1 in PC-12 cells (red). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 10% negative goat serum for 15 minutes at room temperature. Cells were probed with the primary antibody (orb1816877, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®594 conjugate-Goat anti-Rabbit IgG was used as the secondary antibody at 1/1000 dilution. The nuclear counter stain is DAPI (blue).

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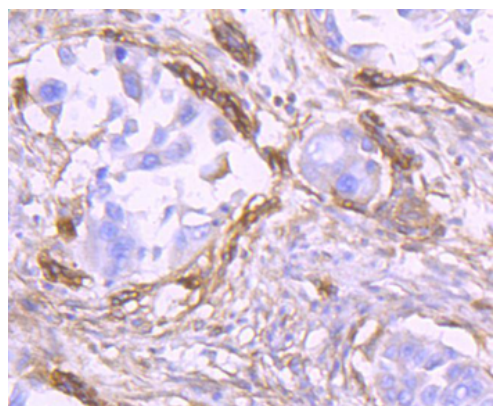
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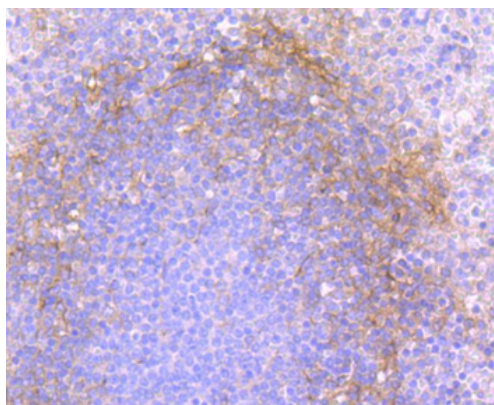
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Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-THY1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (orb1816877, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using anti-THY1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (orb1816877, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



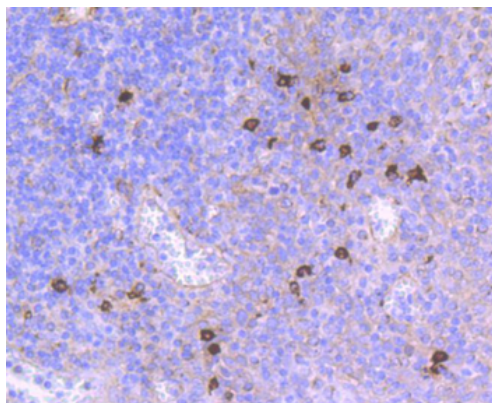
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-THY1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (orb1816877, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

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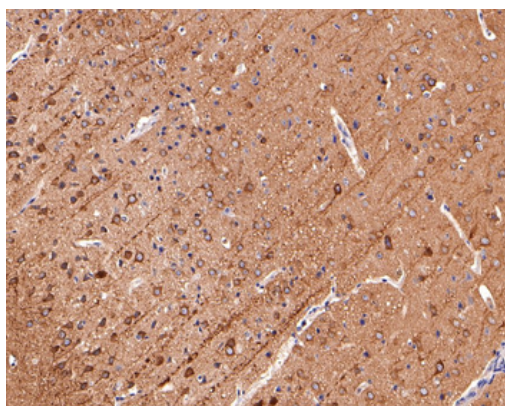
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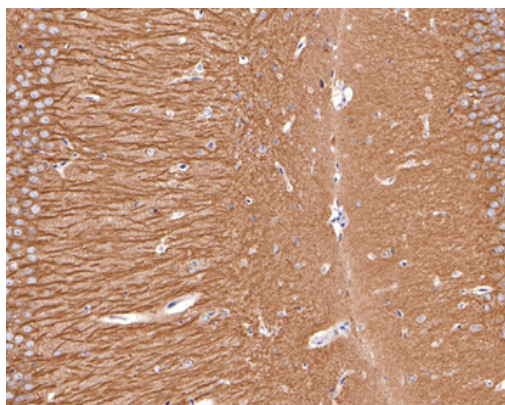
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Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-THY1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (orb1816877, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded mouse hippocampus tissue using anti-THY1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (orb1816877, 1/400) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



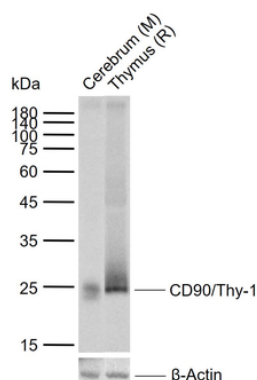
Immunohistochemical analysis of paraffin-embedded mouse hippocampus tissue using anti-THY1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH9.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (orb1816877, 1/400) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

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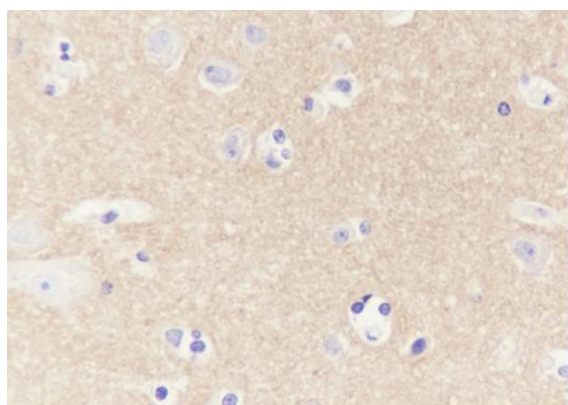
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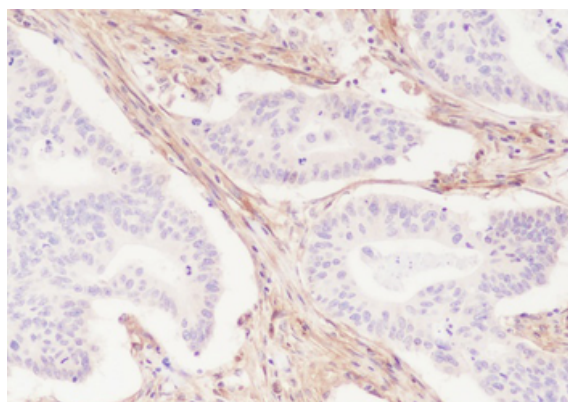
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Sample: Lane 1: Mouse Cerebrum tissue lysates, Lane 2: Rat Thymus tissue lysates, Primary: Anti-CD90/Thy-1 (orb1816877) at 1/2000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 12 kDa, Observed band size: 25 kDa.



Tissue: Human cerebrum, Section type: Formalin-fixed & Paraffinembedded section, Retrieval method: High temperature and high pressure, Retrieval buffer: Tris/EDTA buffer, pH9.0, Primary Ab Dilution: 1:50, Primary Ab incubation condition: 1 hour at room temperature, Secondary Ab: SP Kit (Rabbit), Counter stain: Hematoxylin (Blue), Comment: Color brown is the positive signal for orb1816877.



Tissue: Human colon cancer, Section type: Formalin-fixed & Paraffinembedded section, Retrieval method: High temperature and high pressure, Retrieval buffer: Tris/EDTA buffer, pH9.0, Primary Ab Dilution: 1:50, Primary Ab incubation condition: 1 hour at room temperature, Secondary Ab: SP Kit (Rabbit), Counter stain: Hematoxylin (Blue), Comment: Color brown is the positive signal for orb1816877.

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