

# Anti-Thy-1 (OX7) Antibody [1G2]

RT1615



<b>Product Type:</b>	Mouse monoclonal IgG1, primary antibodies
<b>Species reactivity:</b>	Mouse, Rat
<b>Applications:</b>	WB, IP, IF, IHC-P, FC
<b>Molecular Wt:</b>	25-37kDa
<b>Clone number:</b>	1G2

**Description:** Over 100 cell surface markers have been identified through the use of monoclonal antibodies. Many of these markers have proven useful in identifying specific subpopulations of cells within mixed colonies. Accordingly, these molecules have been assigned a "cluster of differentiation" (CD) designation. One such marker, designated Thy-1 (also referred to as CDw90), is a phosphatidyl-anchored cell surface glycoprotein which when coexpressed with CD34 on cells from normal human bone marrow, identifies a subpopulation that includes putative hematopoietic, pleuripotent stem cells. Thy1+ cells from bone marrow have been implicated in syngeneic graft versus host disease and may serve to regulate autoreactivity after bone marrow transplant.

**Immunogen:** peptide

**Positive control:** rat brain tissue, human cerebral cortex tissue.

**Subcellular location:** Cell membrane

**Database links:** SwissProt: P01831 Mouse

**Recommended Dilutions:**

<b>WB</b>	1:100-1:1,000
<b>IP</b>	1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)
<b>IF</b>	1:50-1:500
<b>IHC-P</b>	1:50-1:500
<b>FC</b>	1 µg per 1 x 10 <sup>6</sup> cells

**Storage Buffer:** 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**Storage Instruction:** Store at +4°C

**Purity:** Protein A affinity purified.

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Orders: 0086-571-88062880

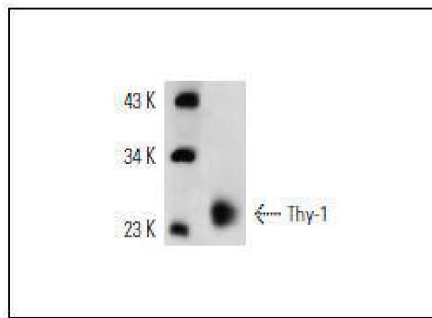
Technical:0086-571-89986345

Service mail: support@huabio.cn

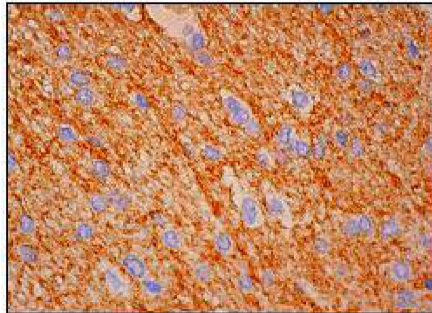
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## Images



**Fig1:** Western blot analysis of Thy-1 expression in rat brain tissue extract.



**Fig2:** Immunoperoxidase staining of formalin fixed, paraffin-embedded human cerebral cortex tissue showing neuropil staining.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

## Background References

1. Qiu, W., et al. 2014. Sublytic C5b-9 triggers glomerular mesangial cell apoptosis via XAF1 gene activation mediated by p300-dependent IRF-1 acetylation. *Cell Death Dis.* 5: e1176.
2. Yu, K., et al. 2008. TSP-1 secreted by bone marrow stromal cells contributes to retinal ganglion cell neurite outgrowth and survival. *PLoS ONE* 3: e2470.