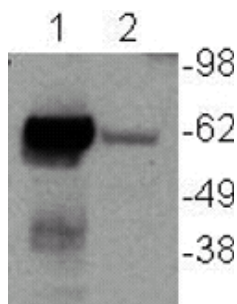


Anti-Mouse Nur77 Purified

Catalog Number: 14-5964

Also Known As: NGFI-B, NR4A1, TR3, NAK1

RUO: For Research Use Only



Immunoblotting of PMA and ionomycin-stimulated (lane 1) and unstimulated (lane 2) mouse thymocytes with 5 µg/mL of Anti-Mouse Nur77 Purified. The band was visualized using Rat Anti-Mouse IgG HRP.

Product Information

Contents: Anti-Mouse Nur77 Purified


REF Catalog Number: 14-5964

Clone: 357

Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG2b, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

This 12.14 monoclonal antibody reacts with mouse Nur77 (also known as NR4A1, TR3, NGFI-B, or NAK1), an inducible orphan nuclear receptor. Expressed in thymocytes and T cell lines, Nur77 promotes apoptosis and plays a role in thymocyte negative selection. Additionally, Nur77 has been shown to be critical for steroid biosynthesis in Leydig cells as well as for the effects of dopamine. In addition, Nur77 has been shown to interact with FoxP3 in regulatory T cells.

Applications Reported

This 357 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This 357 antibody has been tested by western blot on lysates prepared from mouse thymocytes stimulated with PMA and ionomycin for two hours. This antibody can be used at 5 µg/mL. It is recommended that this antibody be titrated for optimal performance in the assay of interest.

References

Martin LJ, Boucher N, Brousseau C, Tremblay JJ. The orphan nuclear receptor NUR77 regulates hormone-induced StAR transcription in Leydig cells through cooperation with Ca²⁺/calmodulin-dependent protein kinase I. *Mol Endocrinol.* 2008 Sep;22(9):2021-37.

Bourhis E, Maheux J, Rouillard C, Lévesque D. Extracellular signal-regulated kinases (ERK) and protein kinase C (PKC) activities are involved in the modulation of Nur77 and Nor-1 expression by dopaminergic drugs. *J Neurochem.* 2008 Jul;106(2):875-88.

Tao R, Hancock W. Resistance of Foxp3⁺ regulatory T cells to Nur77-induced apoptosis promotes allograft survival. *PLoS ONE.* 2008 May 28;3(5):e2321.

Cunningham NR, Artim SC, Fornadel CM, Sellars MC, Edmonson SG, Scott G, Albino F, Mathur A, Punt JA. Immature CD4⁺CD8⁺ thymocytes and mature T cells regulate Nur77 distinctly in response to TCR stimulation. *J Immunol.* 2006 Nov 15;177(10):6660-6.

Related Products

14-4732 Mouse IgG2b K Isotype Control Purified

