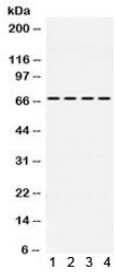
# NUR77 Antibody (R32021)

| Catalog No. | Formulation | Size |
|---|---|---|
| R32021 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **UniProt** | P22736 |
| **Applications** | Western blot: 0.1-0.5ug/ml |
| **Limitations** | This NUR77 antibody is available for research use only. |




Western blot testing of 1) rat brain, 2) mouse brain, 3) human U87 and 4) human HeLa lysate with NUR77 antibody. Expected/observed molecular weight ~67 kDa.

## Description

Nuclear receptor subfamily 4, group A, member 1, also called NAK1, GFRP1, TR3, NUR77 or NGFIB, is a protein that in humans is encoded by the NR4A1 gene, and a member of the Nur nuclear receptor family of intracellular transcription factors. NR4A1 is involved in cell cycle mediation, inflammation and apoptosis. It plays a key role in mediating inflammatory responses in macrophages. In addition, subcellular localization of the NR4A1 protein appears to play a key role in the survival and death of cells. Nr4a1 is overexpressed in Wnt1 -transformed mouse mammary cells. Nr4a1 is also induced by lithium, a Wnt1 mimic, and the Nr4a1 promoter is activated by lithium and beta-catenin, a Wnt1 downstream effector. In contrast, human NR4A1 is not upregulated by beta-catenin, indicating that this gene is regulated differently in

human and mouse cells. Adenoviral expression of Nr4a1 induces genes involved in gluconeogenesis, stimulates glucose production both in vitro and in vivo, and raises blood glucose levels.

## Application Notes

Optimal dilution of the NUR77 antibody should be determined by the researcher.

## Immunogen

Amino acids HLDSGPSTAKLDYSKFQELVLPHFGKEDAGDVQQFYD of human NUR77 were used as the immunogen for the NUR77 antibody.

## Storage

After reconstitution, the NUR77 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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