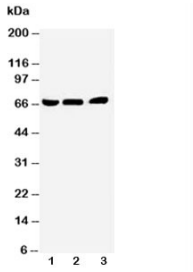
NUR77 Antibody (R30761)

Catalog No.	Formulation	Size
R30761	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 Ig
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P22736
Applications	Western Blot : 0.5-1ug/ml
Limitations	This NUR77 antibody is available for research use only.



Western blot testing of NUR77 antibody and Lane 1: A431; 2: HeLa; 3: Jurkat cell lysate. Predicted molecular weight ~64/66/34kDa (isoforms 1/2/3).

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 is 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 protein appears to play a key role in the survival and death of cells. Nr4a1 was overexpressed in Wnt1 -transformed mouse mammary cells. It was also induced by lithium, a Wnt1 mimic, and the promoter was activated by lithium and beta-catenin, a Wnt1 downstream effector. In contrast, human NR4A1 was not upregulated by beta-catenin, indicating that this gene is regulated differently

in human and mouse cells. Adenoviral expression of Nr4a1 induced genes involved in gluconeogenesis, stimulated glucose production both in vitro and in vivo, and raised blood glucose levels.

Application Notes

The stated application concentrations are suggested starting points. Titration of the NUR77 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of NUR77 alpha/NR4A1 (ASFKFEDFQVYGCY) was used as the immunogen for this NUR77 antibody (100% homologous in human, mouse and rat).

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.

Alternate Names

NAK1, GFRP1, TR3, NGFIB

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