

Datasheet for ABIN930954
anti-NR4A1 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	NR4A1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NR4A1 antibody is un-conjugated
Application:	Dot Blot (DB), Immunocytochemistry (ICC)

Product Details

Immunogen:	NR4 A1 antibody was raised in mouse using recombinant Human Nuclear Receptor Subfamily 4, Group A, Member 1 (Nr4 1)
Clone:	NR4AB9G12
Isotype:	IgG1
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	NR4A1
Alternative Name:	NR4A1 (NR4A1 Products)

Target Details

Background: This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. Expression is induced by phytohemagglutinin in human lymphocytes and by serum stimulation of arrested fibroblasts. The encoded protein acts as a nuclear transcription factor. Translocation of the protein from the nucleus to mitochondria induces apoptosis. Three transcript variants encoding two distinct isoforms have been identified for this gene. Synonyms: Monoclonal NR4A1 antibody, Anti-NR4A1 antibody, Nuclear receptor subfamily 4 group A member 1 antibody, HMR antibody, N10 antibody, TR3 antibody, NP10 antibody, GFRP1 antibody, NAK-1 antibody, NGFIB antibody.

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Nuclear Receptor Transcription Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#)

Application Details

Application Notes: ICC: 2-100 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: Lot specific

Buffer: NR4 A1 antibody in PBS (3.0 mM KCl, 1.5 mM KH₂ PO₄, 140 mM NaCl, 8.0 mM Na₂ HPO₄ (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN₃).

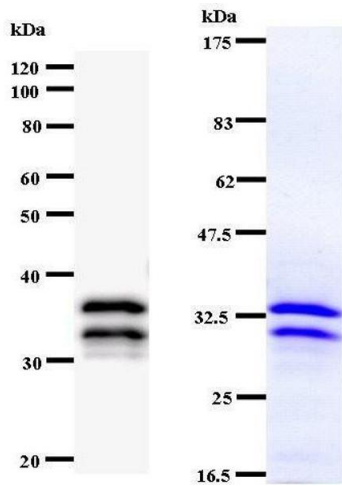
Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

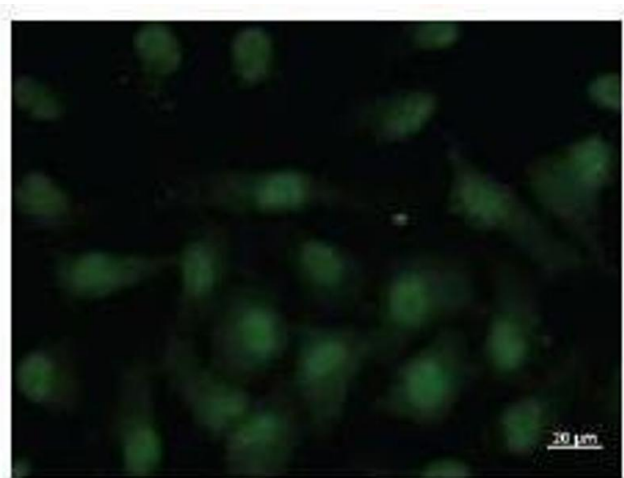
Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



Western Blotting

Image 1. Left: NR4A1 staining. Right: Coomassie Blue staining of immunized recombinant protein.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-NR4A1 in PBS. The cells were immunostained with anti-GATAD1 antibody.