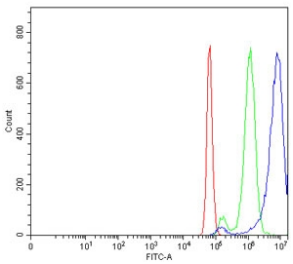
# ROR beta Antibody / RORB (RQ6921)

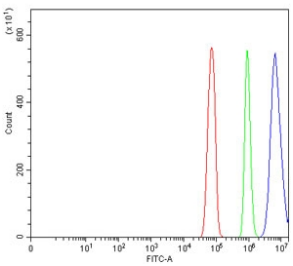
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6921 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

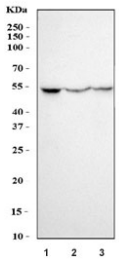
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q92753 |
| **Applications** | Western blot: 0.5-1 ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This ROR beta antibody is available for research use only. |




Flow cytometry testing of mouse Neuro-2a cells with ROR beta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ROR beta antibody.




Flow cytometry testing of rat RH35 cells with ROR beta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ROR beta antibody.




Western blot testing of 1) human HepG2, 2) mouse brain and 3) rat brain tissue lysate with ROR beta antibody. Predicted molecular weight ~53 kDa.

## Description

RAR-related orphan receptor beta (ROR-beta), also known as NR1F2 (nuclear receptor subfamily 1, group F, member 2) is a nuclear receptor that in humans is encoded by the RORB gene. The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It is a DNA-binding protein that can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, and to help regulate the expression of some genes involved in circadian rhythm.

## Application Notes

Optimal dilution of the ROR beta antibody should be determined by the researcher.

## Immunogen

Recombinant human ROR beta/RORB protein (amino acids M1-K470) was used as the immunogen for the ROR beta antibody.

## Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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