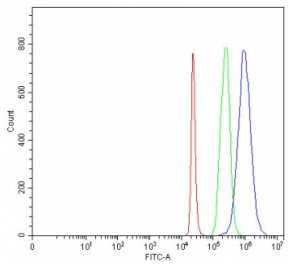
NEUROD2 Antibody / Neurogenic differentiation factor 2 (RQ8544)

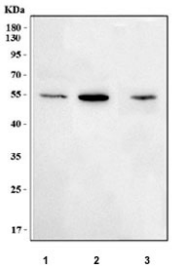
Catalog No.	Formulation	Size
RQ8544	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 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	Q15784
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This NEUROD2 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human 293T cells with NEUROD2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NEUROD2 antibody.



Western blot testing of 1) human 293T, 2) rat C6 and 3) mouse Neuro-2a cell lysate with NEUROD2 antibody. Predicted molecular weight ~41 kDa, commonly observed at ~48 kDa.

Description

Neurogenic differentiation factor 2 is a protein that in humans is encoded by the NEUROD2 gene. This gene encodes a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of this gene can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. The product of the human gene can induce neurogenic differentiation in non-neuronal cells in Xenopus embryos, and is thought to play a role in the determination and maintenance of neuronal cell fates.

Application Notes

Optimal dilution of the NEUROD2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids A52-N382) was used as the immunogen for the NEUROD2 antibody.

Storage

After reconstitution, the NEUROD2 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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