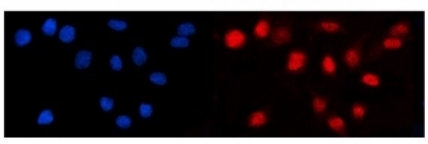
TCF1 alpha Antibody / LEF1 / Lymphoid enhancer-binding factor 1 (RQ6490)

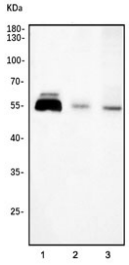
Catalog No.	Formulation	Size
RQ6490	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

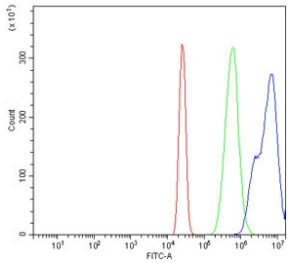
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UJU2
Localization	Nucleus
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This TCF1 alpha antibody is available for research use only.



Immunofluorescent staining of FFPE human Caco-2 cells with TCF1 alpha antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Jurkat, 2) mouse thymus and 3) rat C6 cell lysate with TCF1 alpha antibody. Predicted molecular weight ~44 kDa but commonly observed at 35-55 kDa.



Flow cytometry testing of human HL60 cells with TCF1 alpha antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TCF1 alpha antibody.

Description

Lymphoid enhancer-binding factor 1 (LEF1), also called T cell-specific transcription factor 1-alpha (TCF1 alpha) is a protein that in humans is encoded by the LEF1 gene. This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the TCF1 alpha antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids D14-H274) was used as the immunogen for the TCF1 alpha antibody.

Storage

After reconstitution, the TCF1 alpha 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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