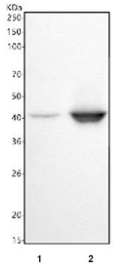
c-Fos Antibody / FOS [clone IIO-6] (RQ4859)

Catalog No.	Formulation	Size
RQ4859	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	IIO-6
Purity	Affinity purified
UniProt	P01100
Applications	Western blot: 1:500
Limitations	This c-Fos antibody is available for research use only.



Western blot testing of human 1) HeLa and 2) RT4 cell lysate with c-Fos antibody. Expected molecular weight ~40 kDa, but may be observed at higher molecular weights due to phosphorylation.

Description

c-Fos (FOS) is an immediate early response transcription factor that dimerizes with proteins of the JUN family to form the AP-1 complex. This complex regulates the expression of target genes involved in cell proliferation, differentiation, and survival. A c-Fos antibody is widely used in research to monitor transcriptional activity and cellular responses to stimuli.

c-Fos expression is rapidly induced by growth factors, stress signals, and neuronal activity, making it a key marker of cellular activation. In neuroscience, it is frequently used as an indicator of neuronal activity and plasticity. Employing a c-

Fos antibody allows researchers to track changes in gene expression and study signaling pathways in diverse biological contexts.

NSJ Bioreagents provides a high-quality c-Fos antibody validated for applications such as western blot, immunohistochemistry, and immunofluorescence. Selecting the right c-Fos antibody ensures sensitive and reproducible detection in studies of transcriptional regulation, cell signaling, and brain activity.

Application Notes

Optimal dilution of the c-Fos antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human c-Fos / FOS was used as the immunogen for the c-Fos antibody.

Storage

Store the c-Fos antibody at -20oC.

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