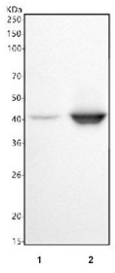
# c-Fos Antibody / FOS [clone IIO-6] (RQ4859)

| 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 |
| **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.