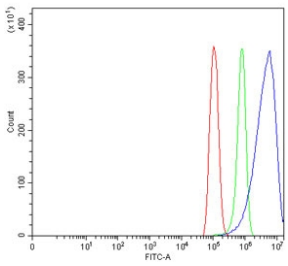
# CPEB4 Antibody (RQ6852)

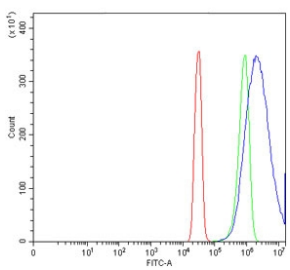
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6852 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

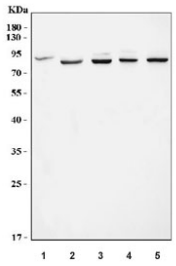
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q17RY0 |
| **Applications** | Western Blot : 1-2ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This CPEB4 antibody is available for research use only. |




Flow cytometry testing of human PC-3 cells with CPEB4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CPEB4 antibody.




Flow cytometry testing of human SiHa cells with CPEB4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CPEB4 antibody.




Western blot testing of 1) human HeLa, 2) rat brain, 3) rat kidney, 4) mouse brain and 5) mouse kidney tissue lysate with CPEB4 antibody. Expected molecular weight: 80-90 kDa.

## Description

Cytoplasmic polyadenylation element binding protein 4 (CPEB4) is a sequence-specific RNA-binding protein that participates in translational control. CPEB4 is a member of the CPEB family, which includes CPEB1, CPEB2, CPEB3, and CPEB4, all of which share structure and sequence identity in the C-terminal RNA-binding domain (RBD). CPEB4 has two domains: one that is structured for RNA binding and one that is unstructured and low complexity that has no known function.

## Application Notes

Optimal dilution of the CPEB4 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids D3-N462) was used as the immunogen for the CPEB4 antibody.

## Storage

After reconstitution, the CPEB4 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