

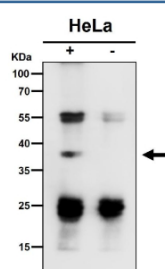
## TCEA1 Antibody / Transcription elongation factor A protein 1 [clone 30T05] (FY12037)

| Catalog No. | Formulation                                                                                                        | Size   |
|-------------|--------------------------------------------------------------------------------------------------------------------|--------|
| FY12037     | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA | 100 ul |

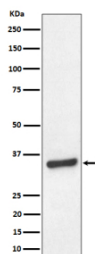
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

|                    |                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Availability       | 2-3 weeks                                                                                                                                                                      |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                              |
| Format             | Liquid                                                                                                                                                                         |
| Clonality          | Recombinant Rabbit Monoclonal                                                                                                                                                  |
| Isotype            | Rabbit IgG                                                                                                                                                                     |
| Clone Name         | 30T05                                                                                                                                                                          |
| Purity             | Affinity-chromatography                                                                                                                                                        |
| Buffer             | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                            |
| UniProt            | P23193                                                                                                                                                                         |
| Applications       | Western Blot : 1:500-1:2000<br>Immunohistochemistry : 1:50-1:200<br>Immunocytochemistry/Immunofluorescence : 1:50-1:200<br>Immunoprecipitation : 1:50<br>Flow Cytometry : 1:50 |
| Limitations        | This TCEA1 antibody is available for research use only.                                                                                                                        |



Immunoprecipitate (IP) analysis using the antibody at 1:50 dilution. (Western blot at 1:1K dilution)



Western blot analysis of TCEA1 expression in HeLa cell lysate.

## Description

TCEA1 antibody detects transcription elongation factor A protein 1, also known as TFIIIS. This protein stimulates RNA polymerase II during transcription elongation by enabling transcript cleavage and allowing polymerase to resume RNA synthesis after stalling. Through this activity, TCEA1 maintains transcriptional fidelity and supports expression of genes critical for development and stress response.

Research using TCEA1 antibody highlights its role in gene regulation and disease. Dysregulation of transcription elongation has been implicated in cancer, where altered RNA polymerase II activity contributes to aberrant gene expression programs. TCEA1 has also been studied in neurodevelopment, where proper elongation factor function is essential for neuronal differentiation and survival.

Antibodies against TCEA1 are validated for western blot, immunoprecipitation, and immunohistochemistry. These tools provide reliable detection of TCEA1 in chromatin studies and transcription research. Clone-based reagents ensure reproducibility across experimental settings.

NSJ Bioreagents supplies this TCEA1 antibody for transcription biology and disease pathway research. Alternate names include transcription elongation factor A protein 1 antibody and TFIIIS antibody.

## Application Notes

Optimal dilution of the TCEA1 antibody should be determined by the researcher.

## Immunogen

A synthesized peptide derived from human TCEA1 was used as the immunogen for the TCEA1 antibody.

## Storage

Store the TCEA1 antibody at -20°C.