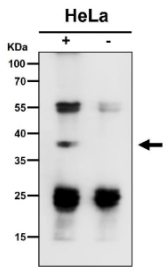
TCEA1 Antibody / Transcription elongation factor A protein 1 [clone 30T05] (FY12037)

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

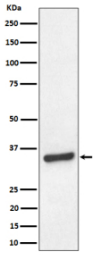
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
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 Immunohistochemistry: 1:50-1:200 Immunocytochemistry/Immunofluorescence: 1:50-1:200 Immunoprecipitation: 1:50 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. Predicted molecular weight ~34 kDa. A band is detected at approximately 38-39 kDa in the IP lane, slightly above the predicted ~34 kDa size. This upward shift is consistent with altered migration of immunoprecipitated material, which often reflects partial complex retention or antibody related artifacts rather than a distinct isoform. The control IgG lane shows no corresponding band, confirming specificity of the immunoprecipitation.



Western blot analysis of TCEA1 expression in human HeLa cell lysate. Predicted molecular weight ~34 kDa.

Description

TCEA1 antibody detects transcription elongation factor A protein 1, also known as TFIIS. 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 TFIIS 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 -20oC.

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