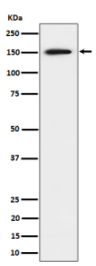
SAFB Antibody / Scaffold Attachment Factor B Antibody [clone 30S09] (FY12630)

Catalog No.	Formulation	Size
FY12630	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

Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	30S09
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	Q15424
Applications	Western blot: 1:500-1:2000 Immunohistochemistry: 1:50-1:200 Immunocytochemistry/Immunofluorescence: 1:50-1:200
Limitations	This SAFB Antibody / Scaffold Attachment Factor B Antibody is available for research use only.



SAFB Antibody Human 293 Cell WB. Western blot analysis of human 293 cell lysate detected a strong SAFB immunoreactive band at approximately 150 kDa. Although the predicted molecular weight of SAFB is about 102 kDa, the protein commonly migrates at a substantially higher apparent molecular weight because of extensive phosphorylation, intrinsically disordered domains and other post-translational modifications that reduce electrophoretic mobility. This SAFB Antibody, a Scaffold Attachment Factor B Antibody, is suitable for detecting endogenous SAFB in studies of chromatin organization, transcriptional regulation and RNA processing.

Description

SAFB Antibody / Scaffold Attachment Factor B Antibody recognizes Scaffold Attachment Factor B (SAFB), a multifunctional nuclear protein that participates in chromatin organization, transcriptional regulation and RNA metabolism.

SAFB binds scaffold and matrix attachment regions within chromosomal DNA while serving as a molecular platform for interactions with transcription factors, RNA-binding proteins and components of the spliceosome. These coordinated activities allow SAFB to integrate transcription with RNA processing, making it an important regulator of nuclear gene expression. NSJ Bioreagents provides SAFB antibodies for investigations of nuclear architecture, epigenetic regulation and RNA biology.

Scaffold Attachment Factor B functions primarily within the nucleus, where it associates with chromatin remodeling complexes and contributes to both transcriptional activation and repression depending on cellular context. SAFB also regulates alternative RNA splicing, messenger RNA stability and stress-responsive gene expression. Through interactions with estrogen receptor, androgen receptor and numerous transcriptional regulators, the protein influences hormone-responsive signaling pathways and cellular differentiation. These diverse functions position SAFB as a central coordinator of gene expression at multiple regulatory levels.

Increasing evidence has linked SAFB dysregulation to breast cancer, prostate cancer and other malignancies, as well as neurological disease and cellular stress responses. Altered expression may affect chromatin organization, hormone receptor activity and RNA processing, contributing to changes in cell proliferation and survival. SAFB has therefore become an important research target in oncology, endocrinology and molecular genetics, particularly in studies examining nuclear signaling pathways and mechanisms controlling transcription and RNA metabolism.

A SAFB Antibody is a valuable reagent for detecting Scaffold Attachment Factor B by Western blotting, immunohistochemistry, immunofluorescence, immunoprecipitation and related immunoassays. A Scaffold Attachment Factor B Antibody supports investigations of nuclear organization, transcriptional regulation, chromatin biology and RNA processing.

For an overview of SAFB function and its role in chromatin organization and gene regulation, visit our SAFB Antibody / Scaffold Attachment Factor Antibody page.

Application Notes

Optimal dilution of the SAFB Antibody / Scaffold Attachment Factor B Antibody should be determined by the researcher.

Immunogen

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

Storage

Store the SAFB antibody at -20oC.

Alternate Names

SAFB antibody, Scaffold Attachment Factor B antibody, Scaffold Attachment Factor antibody, HET antibody

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