SAFB Polyclonal Antibody

Catalog No: #29399

Package Size: #29399-1 50ul   #29399-2 100ul

Description

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Product Name	SAFB Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human SAFB (NP_002958.2).
Other Names	SAFB; HAP; HET; SAB-B1; SAF-B; SAF-B1; SAFB1; scaffold attachment factor B
Accession No.	Swiss-Prot#:Q15424NCBI Gene ID:6294
Uniprot	Q15424
GeneID	6294;
Calculated MW	Refer to figures
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB   1:500 - 1:2000IF   1:50 - 1:200

Images
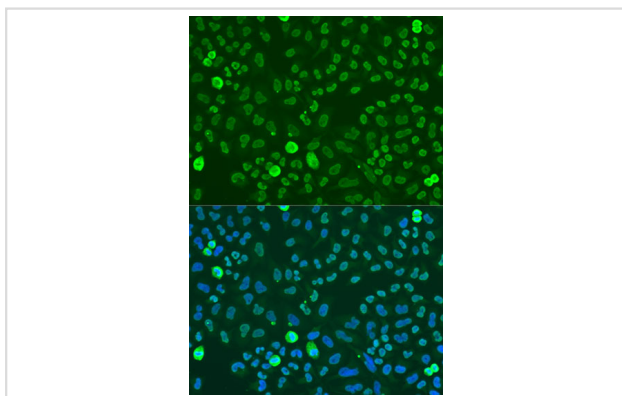
Immunofluorescence analysis of U2OS cells using SAFB at dilution of 1:100. Blue: DAPI for nuclear staining.
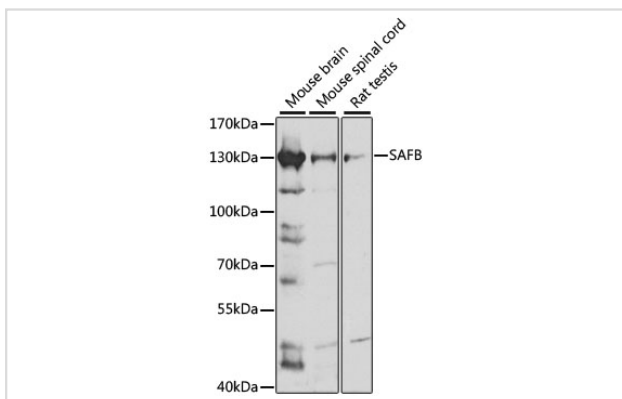
Western blot analysis of extracts of various cell lines, using SAFB at 1:1000 dilution.

Background

This gene encodes a DNA-binding protein which has high specificity for scaffold or matrix attachment region DNA elements (S/MAR DNA). This protein is thought to be involved in attaching the base of chromatin loops to the nuclear matrix but there is conflicting evidence as to whether this protein is a component of chromatin or a nuclear matrix protein. Scaffold attachment factors are a specific subset of nuclear matrix proteins (NMP) that specifically bind to S/MAR. The encoded protein is thought to serve as a molecular base to assemble a 'transcriptosome complex' in the vicinity of actively transcribed genes. It is involved in the regulation of heat shock protein 27 transcription, can act as an estrogen receptor co-repressor and is a candidate for breast tumorigenesis. This gene is arranged head-to-head with a similar gene whose product has the same functions. Multiple transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only