SAFB Antibody / Scaffold attachment factor B1 (R32563)

Catalog No.	Formulation	Size
R32563	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q15424
Applications	Western Blot : 0.5-1ug/ml
Limitations	This SAFB antibody is available for research use only.

Western blot testing of human 1) HeLa and 2) MCF7 cell lysate with SAFB antibody at 0.5ug/ml. Predicted molecular weight: ~103 kDa but routinley observed at ~150 kDa.

Description

Scaffold attachment factor B, also known as SAFB, is a gene with homologs that have been studied in humans and mice. 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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the SAFB antibody to be titrated for optimal performance.

Immunogen

Amino acids 715-754 (DLDRRDDAYWPEAKRAALDERYHSDFNRQDRFHDFDHRDR) from the human protein were used as the immunogen for the SAFB antibody.

Storage

After reconstitution, the SAFB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

References (1)