Product Name: SAFB1 (2E8) Mouse Monoclonal Antibody
Catalog #: AMM03459

Summary

Production Name	SAFB1 (2E8) Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB,ICC/IF,ChIP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Immunogen

Gene Name	SAFB
Alternative Names	SAFB; HAP; HET; SAFB1; Scaffold attachment factor B1; SAF-B; SAF-B1; HSP27 estrogen response element-TATA box-binding protein; HSP27 ERE-TATA-binding protein
Gene ID	6294
SwissProt ID	Q15424.

Application

Dilution Ratio	WB: 1:500-1:1000 IF: 1:50-1:200 ChIP: 1:20
Molecular Weight	Calculated MW: 103 kDa; Observed MW: 130 kDa

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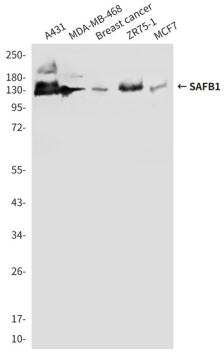
Background

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.

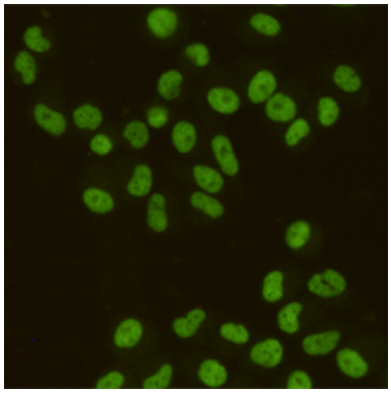
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of SAFB1 in A431, MDA-MB-468, Breast cancer, ZR751 and MCF-7 lysates using SAFB1 antibody.



Immunocytochemistry analysis of SAFB1 (2E8) in HeLa using SAFB1 antibody.

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Note

For research use only.