

Mouse anti-Human SAFB-1 Monoclonal Antibody | anti-SAFB-1 antibody

SAFB-1 Antibody

CATALOG # AAA111320	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

SAFB-1; Monoclonal Antibody; SAFB-1 Antibody; HSP27 estrogen response element-TATA box-binding protein; anti-SAFB-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of SAFB-1 and does not cross-react with related prote
Purity/Purification	Affinity purified
Form/Format	Purified in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	917
Applicable Applications for anti-SAFB-1 antibody	WB (Western Blot)
Immunogen	Purified recombinant human SAFB-1 protein fragments expressed in E Coli.
Cellular Localization	Nucleus

IMAGES



Application Data

Western blot detection of SAFB-1 in HeLaNE, A431, MDA-MB-468, Breast cancer, ZR75-1&MCF7 cell lysates using SAFB-1 antibody (1:4000 diluted). Predicted band size: 130kDa
Observed band size: 130kDa.



Application Data

Immunocytochemistry stain of HeLa using SAFB-1 antibody (1:300).

ADDITIONAL INFORMATION

Related Product Information for anti-SAFB-1 antibody	UniPort Summary Function: Binds to scaffold/matrix attachment region (S/MAR) DNA and forms a molecular assembly point to allow the formation of a 'transcriptosomal' complex (consisting of SR proteins and RNA polymerase II) coupling transcription and RNA processing By similarity. Can function as an estrogen receptor corepressor and can also bind to the HSP27 promoter and decrease its transcription. When associated with RBMX, binds to and stimulates transcription from the SREBF1 promoter By similarity. Can inhibit cell proliferation. Entrez Summary: 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.
Product Categories/Family for anti-SAFB-1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	321267469
NCBI GeneID	6294
NCBI Accession #	NP_001188267.1
NCBI GenBank Nucleotide #	NM_002967.2
UniProt Accession #	Q15424; O60406; Q59HH8; A0AV56; B7Z5B6; B7ZLP6; F5H0H3
Molecular Weight	130kDa
NCBI Official Full Name	scaffold attachment factor B1 isoform 1
NCBI Official Synonym Full Names	scaffold attachment factor B
NCBI Official Symbol	SAFB
NCBI Official Synonym Symbols	HAP; HET; SAF-B; SAFB1; SAB-B1; SAF-B1
NCBI Protein Information	scaffold attachment factor B1
UniProt Protein Name	Scaffold attachment factor B1
UniProt Gene Name	SAFB
UniProt Synonym Gene Names	HAP; HET; SAFB1; SAF-B; SAF-B1; HSP27 ERE-TATA-binding protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/monoclonal/safb-1-antibody-western-blot-elisa/111320>