

SAFB Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17362a**Specification**

SAFB Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15424](#)**SAFB Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6294**Other Names**

Scaffold attachment factor B1, SAF-B, SAF-B1, HSP27 estrogen response element-TATA box-binding protein, HSP27 ERE-TATA-binding protein, SAFB, HAP, HET, SAFB1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SAFB Antibody (N-term) Blocking Peptide - Protein Information**Name** SAFB**Synonyms** HAP, HET, SAFB1**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 (PubMed:9671816). Functions as an estrogen receptor corepressor and can also bind to the HSP27 promoter and decrease its transcription (PubMed:12660241). Thereby acts as a negative regulator of cell proliferation (PubMed:12660241). When associated with RBMX, binds to and stimulates transcription from the SREBF1 promoter (By similarity).

Cellular Location

Nucleus

Tissue Location

Ubiquitous. Expressed at high levels in the CNS and at low levels in the liver. Expressed in a wide number of breast cancer cell lines

SAFB Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SAFB Antibody (N-term) Blocking Peptide - Images

SAFB Antibody (N-term) Blocking Peptide - Background

This gene encodes a DNA-binding protein that 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. This 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 the heat shock protein 27 transcription and also can act as an estrogen receptor corepressor. This gene is a candidate gene for breast tumorigenesis.

SAFB Antibody (N-term) Blocking Peptide - References

Hammerich-Hille, S., et al. Breast Cancer Res. Treat. 121(2):503-509(2010) Hammerich-Hille, S., et al. J. Biol. Chem. 285(6):3608-3616(2010) Tsianou, D., et al. FEBS J. 276(18):5212-5227(2009) Chen, H., et al. Endocrinology 150(5):2429-2435(2009) Bergman, A., et al. BMC Med. Genet. 9, 108 (2008)
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