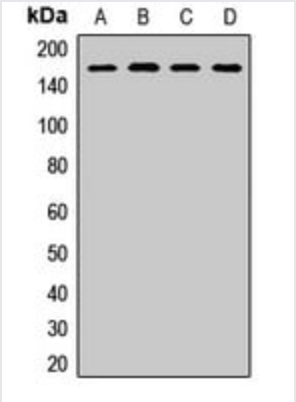
SAF-B1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SAF-B1, Polyclonal Antibody
Full Product Name	Rabbit anti-SAF-B1 Antibody
Product Gene Name	anti-SAF-B1 antibody
Product Synonym Names	HAP; HET; SAFB1; Scaffold attachment factor B1; SAF-B; SAF-B1; HSP27 estrogen response element-TATA box-binding protein; HSP27 ERE-TATA-binding protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	95,181 Da
3D Structure	ModBase 3D Structure for Q15424
Immunogen	KLH-conjugated synthetic peptide of human SAF-B1
Product Categories/Family for anti-SAF-B1 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-SAF-B1 antibody	Western Blot (WB)
Application Notes for anti-SAF-B1 antibody	WB: 1:500-1:2000
Related Product Information for anti-SAF-B1 antibody	MBS4508317 is an antibody targeting SAF-B1. Also known as Rabbit anti-SAF-B1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SAF-B1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SAF-B1 antibody
Western blot analysis of SAF-B1 expression in Hela (A), NIH3T3 (B), mouse lung (C), rat brain (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAF-B1. It may not necessarily be applicable to this product.

NCBI GI #	1002095852
NCBI GeneID	6294
NCBI Accession #	NP_001307501.1
UniProt Primary Accession #	Q15424
UniProt Secondary Accession #	D3YXK2; O88453
UniProt Related Accession #	Q15424
GenBank Nucleotide #	NM_001320572.1
NCBI Official Full Name	scaffold attachment factor B1 isoform 6
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
UniProt Protein Name	Scaffold attachment factor B1
UniProt Synonym Protein Names	HSP27 estrogen response element-TATA box-binding protein; HSP27 ERE-TATA-binding protein
Protein Family	Scaffold attachment factor
UniProt Gene Name	SAFB
UniProt Synonym Gene Names	HAP; HET; SAFB1; SAF-B; SAF-B1; HSP27 ERE-TATA-binding protein
NCBI Protein Information	scaffold attachment factor B1
NCBI Summary for SAF-B1	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.[provided by RefSeq, Jan 2011]

UniProt Comments for SAF-B1	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 (). 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 (). Can inhibit cell proliferation.
Research Articles on SAF-B1	**1.** SAFB regulated the activity of NF-kappaB signaling in CRC by targeting TAK1 This novel mechanism provides a comprehensive understanding of both SAFB and the NF-kappaB signaling pathway in the progression of CRC and indicates that the SAFB-TAK1-NF-kappaB axis is a potential target for early therapeutic intervention in CRC progression
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