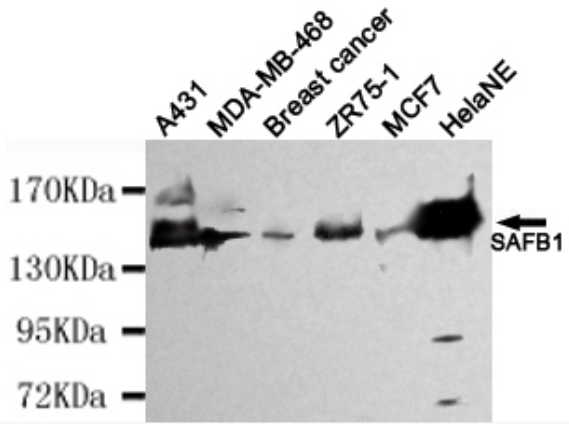
SAFB1 mouse mAb

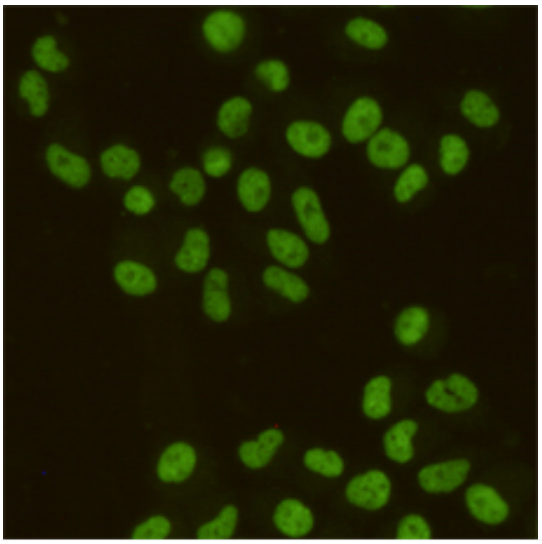
Catalog No	YP-Ab-01084
Isotype	IgG
Reactivity	Human
Applications	WB;ICC
Gene Name	safb-1
Protein Name	
Immunogen	Purified recombinant human SAFB1 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of SAFB1 and does not cross-react with related prote
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000 icc 1:200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DKFZp779C1727;glutathione S transferase fusion protein;HAP;HET;HSP27 ERE TATA binding protein;HSP27 ERE-TATA-binding protein;HSP27 estrogen response element-TATA box-binding protein;SAF B;SAF-B1;SAFB 1;SAFB;SAFB1;SAFB1_HUMAN;scaffold attachment factor B1.
Observed Band	130kD
Cell Pathway	Nucleus .
Tissue Specificity	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.
Function	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. Can inhibit cell proliferation.,similarity:Contains 1 RRM (RNA recognition motif) domain.,similarity:Contains 1 SAP domain.,subunit:Monomer. Can form homodimers. Interacts with KHDRBS3, POLR2A, SAFB2 or SFRS1, SFRS9 and TRA2B/SFRS10.,tissue specificity: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.,

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 v
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of SAFB1 in HelaNE,A431,MDA-MB-468,Breast cancer,ZR75-1 and MCF7 cell lysates using SAFB1 mouse mAb (1:4000 diluted).Predicted band size: 130kDa.Observed band size: 130kDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using SAFB1 mouse mAb (dilution 1:200).