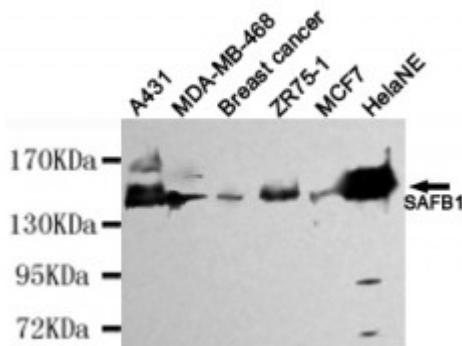


## Anti-SAFB1 antibody



<b>Description</b>	Mouse monoclonal to SAFB1.
--------------------	----------------------------

<b>Model</b>	STJ99122
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Purified recombinant human SAFB1 protein fragments expressed in E.coli.
<b>Gene ID</b>	<a href="#">6294</a>
<b>Gene Symbol</b>	<a href="#">SAFB</a>
<b>Dilution range</b>	WB 1:500-2000 ELISA 1:10000-20000
<b>Specificity</b>	This antibody detects endogenous levels of SAFB1 and does not cross-react with related prote.
<b>Tissue Specificity</b>	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.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clone ID</b>	2E8-E2-G6
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Scaffold attachment factor B1 SAF-B SAF-B1 HSP27 estrogen response element-TATA box-binding protein HSP27 ERE-TATA-binding protein
<b>Molecular Weight</b>	130kDa

<b>Clonality</b>	Monoclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://hgnc.org/entry/10520">HGNC:10520</a> <a href="https://omim.org/entry/602895">OMIM:602895</a>
<b>Alternative Names</b>	Scaffold attachment factor B1 SAF-B SAF-B1 HSP27 estrogen response element-TATA box-binding protein HSP27 ERE-TATA-binding protein
<b>Function</b>	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.
<b>Cellular Localization</b>	Nucleus
<b>Post-translational Modifications</b>	Sumoylated by PIAS1 with SUMO1 and SUMO2/3, desumoylated by SENP1. Sumoylation is required for transcriptional repressor activity.

---

**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580

**W** <http://www.stjohnslabs.com/>

**T** +44 (0)208 223 3081

**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)