

SAFB1 (2E8) MOUSE MAB

Cat.#: N261053

Product Name: Anti-SAFB1 (2E8) Mouse Monoclonal Antibody

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

UNIPROT ID: Q15424

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 variants encoding different isoforms have been found for this gene.

Immunogen: Purified recombinant human SAFB1 protein fragments expressed in E.coli.

Applications: WB, ICC/IF, CHIP

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 CHIP: 1/20

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 2E8-E2-G6

MW: Calculated MW: 103 kDa; Observed MW: 130 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human

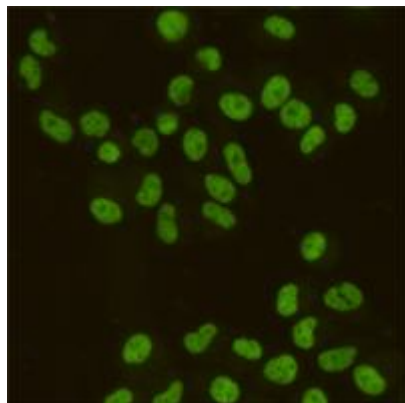
Conjugation: Unconjugated

Modification: Unmodified

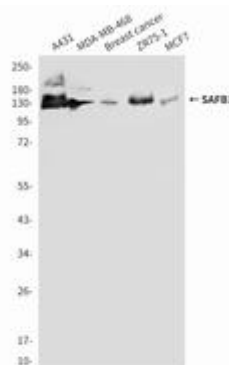
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C . Avoid repeated freezing and thawing



Immunocytochemistry analysis of SAFBI (2E8) in HeLa using SAFBI antibody.



Western blot analysis of SAFBI in A431, MDA-MB-468, Breast cancer, ZR75.1 and MCF-7 lysates using SAFBI antibody.