

SAFB-1 monoclonal antibody

Catalog: MB0113

Host: Mouse

Reactivity: Human

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.

Product:

Mouse IgG1. Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Molecular Weight:

Predicted band size: 130kDa

Observed band size: 130kDa

Swiss-Prot:

Q15424

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~4000

ICC: 1:100~300

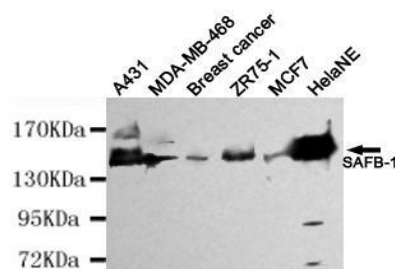
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

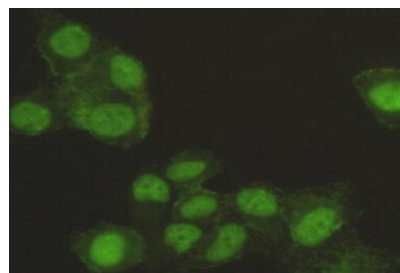
Specificity:

This antibody detects endogenous levels of SAFB-1 and does not cross-react with related proteins

DATA:



Western blot detection of SAFB-1 in HeLaNE, A431, MDA-MB-468, Breast cancer, ZR75-1&MCF7 cell lysates using SAFB-1 antibody (1:4000 diluted) .



Immunocytochemistry stain of HeLa using SAFB-1 antibody (1:300).

Note:

For research use only, not for use in diagnostic procedure.

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