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SAFB1 / SAFB Antibody (aa345-357, clone 6F7)

Mouse Monoclonal Antibody
Catalog # ALS11870

Specification

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - Product Information

Application	**IHC**
Primary Accession	Q15424
Reactivity	**Human, Monkey**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**103kDa KDa**

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - Additional Information

Gene ID 6294

Other Names
Scaffold attachment factor B1, SAF-B, SAF-B1, HSP27 estrogen response element-TATA box-binding protein, HSP27 ERE-TATA-binding protein, SAFB, HAP, HET, SAFB1

Target/Specificity
A synthetic peptide corresponding to amino acids 345-357 (PEARDSKEDGRKF) of the human HET protein.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
SAFB1 / SAFB Antibody (aa345-357, clone 6F7) is for research use only and not for use in diagnostic or therapeutic procedures.

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - Protein Information

Name SAFB

Synonyms HAP, HET, SAFB1

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 (PubMed:9671816). Functions as an estrogen receptor corepressor and can also bind to the HSP27 promoter and decrease its transcription (PubMed:12660241). Thereby acts as a negative regulator of cell proliferation (PubMed:12660241). When associated with RBMX, binds to and stimulates transcription from the SREBF1 promoter (By

similarity).

Cellular Location
Nucleus

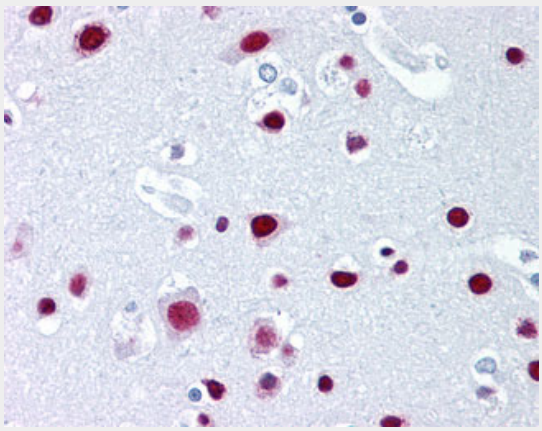
Tissue Location
Ubiquitous. Expressed at high levels in the CNS and at low levels in the liver. Expressed in a wide number of breast cancer cell lines

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - Images



Anti-SAFB antibody IHC of human brain, cortex.

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - Background

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. When associated with RBMX, binds to and stimulates transcription from the SREBF1 promoter (By similarity). Can inhibit cell proliferation.

SAFB1 / SAFB Antibody (aa345-357, clone 6F7) - References

Oesterreich S.,et al.J. Cell. Biochem. 67:275-286(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

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