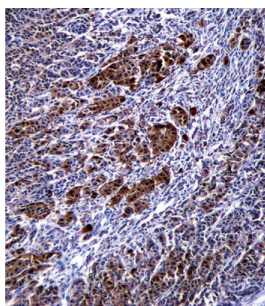
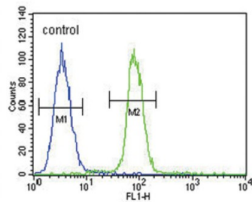


S100 Calcium Binding Protein B (S100B) Antibody

Catalogue No.: abx032400



S100B is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.

Target: S100 Calcium Binding Protein B (S100B)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC, FCM

Datasheet

Version: 3.0.0
Revision date: 22 Dec 2025



Host: Rabbit

Recommended dilutions: WB: 1/2000, IHC-P: 1/500 - 1/1000, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Human S100B recombinant protein.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by protein affinity purification.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P04271 ([UniProt](#), [ExPASy](#))

KEGG: hsa:6285

String: [9606.ENSP00000291700](#)

Molecular Weight: Calculated MW: 10.7 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Rabbit S100B.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.