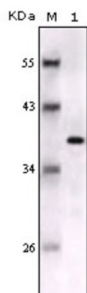
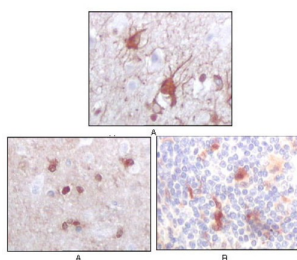


## S100 Calcium Binding Protein B (S100B) Antibody

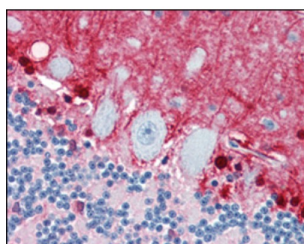
Catalogue No.: abx016054



Western blot analysis using S100B antibody against full-length S100B recombinant protein.



Immunohistochemical analysis of paraffin-embedded human brain (A) and human thymus tissues (B), showing cytoplasmic localization using S100B antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain, cerebellum using S100B antibody with DAB staining.

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. S-100 proteins and parvalbumin proteins are each expressed in neural tissues. In addition, S100B are present in a variety of other tissues, and calbindin is present in intestine and kidney. Parvalbumin B is found in many tumor tissues as well as in the organ of Corti. Calbindin, S-100 proteins and parvalbumins have all been detected in Leydig cells and the testis. These proteins are thought to play a role in hormone production and spermatogenesis. 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:** Monoclonal

**Clone:** Z529

**Reactivity:** Human

# Datasheet

Version: 5.0.0

Revision date: 02 Oct 2025



**Tested Applications:** ELISA, IHC

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of S100B expressed in E. coli.

**Isotype:** IgG<sub>1</sub>

**Form:** Liquid

**Purification:** Unpurified ascites.

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

**GenelD:** [6285 20203 25742 525716 100009495](#)

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

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