

Code No. 16002

Anti-S-100 Protein Rabbit IgG Affinity PurifyVolume : 0.2 mL

Introduction : S-100 proteins (16 members) show a very divergent pattern of cell- and tissue-specific expression, of subcellular localizations and relocations, of post-translational modifications, and of affinities for Ca^{2+} , Zn^{2+} , and Cu^{2+} , consistent with their pleiotropic intra- and extracellular functions. Up to 40 target proteins are reported to interact with S-100 proteins and for S100A1 alone 15 target proteins are presently known. Therefore it is not surprising that many functional roles have been proposed and that several human disorders such as cancer, neurodegenerative diseases, cardiomyopathies, inflammations, diabetes, and allergies are associated with an altered expression of S-100 proteins.

Antigen : Bovine brain S-100 protein

Purification : Purified with Protein A

Form : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN_3

How to use : 0.2 mL of deionized water will be added to the product

Dilution : PBS (pH7.4) containing 1% BSA

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues by several techniques such as Avidin Biotin Complex (ABC) method. The optimal dilution rate is about x40, however, the dilution rate should be optimized by each laboratory.

Specificity : React to α and β chain of bovine and human S-100 protein

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