

S-100 Beta Monoclonal Antibody

Description

Product type Primary Antibody

Code BT-MCA1117

Host Mouse

Isotype IgG

Size 50ul, 100ul

Immunogen Purified recombinant fragment of S-100 Beta expressed in E. Coli.

Mol wt N/A

Species reactivity Human

Clonality Monoclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name Protein S100-B

Synonyms S100B; Protein S100-B; S-100 protein beta chain; S-100 protein subunit beta; S100 calcium-binding protein

В

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene 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

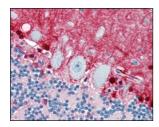
Recommended Dilution

ELISA: 1:10000 IHC: 1:200 - 1:1000 WB: 1:500 - 1:2000

Not yet tested in other applications.

Images

Western Blot analysis using S-100 Beta Monoclonal antibody against full-length S-100 Beta recombinant protein.



 $Immun ohist ochemistry\ analysis\ of\ paraffin-embedded\ human\ brain,\ cerebellun\ with\ DAB\ staining\ using\ S-100\ Beta\ Monoclonal\ antibody.$

Storage

-20°C for one year

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