

S100 beta antibody [6G1]

Catalog No.:	PP37
Quantity:	0.2 mg
Concentration:	9.6 mg/ml
Background:	<p>This protein 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.</p>
Host / Isotype:	Rabbit
Immunogen:	Purified S100 protein from human brain.
Format:	State: Liquid Purification: Protein A purified Buffer System: Preservative: 0.1% Sodium Azide. Constituents: PBS. pH 7.4
Applications:	AP, IA, WB Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Human - Not yet tested in other species
Storage:	Keep as concentrated solution, aliquot and store at 4

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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