

S100B polyclonal antibody

Catalog # PAB8984

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of S100B.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus human S100B.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500) Immunoprecipitation (1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

Gene Info — S100B

Entrez GeneID	6285
Gene Name	S100B
Gene Alias	NEF, S100, S100beta
Gene Description	S100 calcium binding protein B
Omim ID	176990
Gene Ontology	Hyperlink
Gene Summary	<p>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, amyotrophic lateral sclerosis, melanoma, and type I diabetes. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000174958 S-100 calcium-binding protein, beta chain S100 beta S100 calcium binding protein, beta (neural) S100 calcium-binding protein, beta S100 calcium-binding protein, beta (neural)

Publication Reference

- [S-100 serum levels after minor and major head injury.](#)

Rothoerl RD, Woertgen C, Holzschuh M, Metz C, Brawanski A.
The Journal of Trauma 1998 Oct; 45(4):765.

Application: ELISA, Human, Serum
- [Correlation of computed tomography findings and serum brain damage markers following severe head injury.](#)

Raabe A, Grolms C, Keller M, Dohnert J, Sorge O, Seifert V.
Acta Neurochirurgica 1998 Jan; 140(8):787.

Application: ELISA, Human, Human serum

- [Serum S-100 protein, relationship to clinical outcome in acute stroke.](#)

Abraha HD, Butterworth RJ, Bath PM, Wassif WS, Garthwaite J, Sherwood RA.

Annals of Clinical Biochemistry 1997 Jul; 34 (Pt 4):366.

Disease

- [Alzheimer disease](#)
- [Bipolar Disorder](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diseases in Twins](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)