CoraLite®594-conjugated S100B Polyclonal antibody

Catalog Number:CL594-15146

Proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-15146

Size:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7440

GenBank Accession Number:
BC001766

GeneID (NCBI):
6285

UNIPROT ID:
P04271

Full Name:
S100 calcium binding protein B

Calculated MW:
11 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF-P

Species Specificity:
human, mouse

Positive Controls:

IF-P : human malignant melanoma tissue, mouse brain tissue

Background Information

S100B is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs and has been implicated in the regulation of cellular activities such as metabolism, motility and proliferation. In the nervous system, S100B is constitutively released by astrocytes into the extracellular space and at nanomolar concentrations, it can promote neurite outgrowth and protect neurons against oxidative stress. Within the central nervous system (CNS), S100B is thought to be a marker for astroglial activation, linking astrocyte dysfunction to schizophrenia. In addition to astrocytes, S100B is released from many cell types, such as, adipocytes, chondrocytes, cardiomyocytes and lymphocytes. Serum S100B represents a new biomarker for mood disorders.
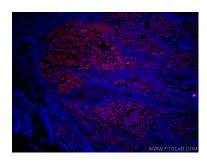
Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
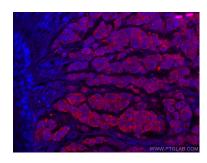**Storage Buffer:**
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed human malignant melanoma tissue using CoraLite®594 S100 Beta antibody (CL594-15146) at dilution of 1:100.

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