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# Anti-S100B Rabbit mAb [30B91]

**Catalog No.: A52298**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A52298 |
| Host species | Rabbit |
| Reactivity | Human,Mouse,Rat |
| Applications | WB,IHC,IF,ELISA |
| Synonyms | S100B,S100 calcium-binding protein B,B-protrein,S100 beta |

## Product Information

| | |
|---|---|
| Target | S100B |
| Molecular Weight(Calculated) | 11 kDa |
| Molecular Weight(Observed) | 11 kDa |
| Isotype | IgG,Kappa |
| Conjugation | NA |
| Concentration | 0.2 mg/ml |
| Clonality | Monoclonal |
| Clone No. | 30B91 |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

| Application | Dilution |
|---|---|
| WB | 1:2000-1:10000 |
| IHC | 1:400-1:2000 |
| IF | 1:200-1:1000 |
| ELISA | 1:5000-1:20000 |

## Target Information

| | |
|---|---|
| Protein Name | S100 calcium-binding protein-B |
| Gene Name | *S100B* |
| Domain | NA |
| Background | S100B (S100 calcium-binding protein B) belongs to S100 calcium-sensor-protein family acting as Ca2+-dependent signaling modulator for proliferation, apoptosis and migration, and also serving as neural-injury biomarker. S100B is mainly produced by astrocytes, Schwann cells and subsets of neuroendocrine cells. Ca2+-binding induces conformational rearrangement enabling interaction with intracellular targets to modulate cytoskeleton and kinase cascades. It can also be secreted extracellularly as DAMP molecule. Upon brain trauma or hemorrhage, S100B leaks into blood and cerebrospinal fluid and serves as clinical neural-damage indicator. It also contributes to melanoma progression. |