

S100 beta antibody [HL2228]

Cat. No. GTX638273

| | |
|---------------------|--------------------------|
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF, IHC-P, ELISA |
| Reactivity | Human, Mouse, Rat |

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | 1:500-1:3000 |
| ICC/IF | Assay dependent |
| IHC-P | Assay dependent |
| ELISA | Assay dependent |

Not tested in other applications.

Observed MW (kDa) 11 kDa.

Properties

| | |
|----------------------|--|
| Form | Liquid |
| Buffer | PBS |
| Preservative | No preservatives |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | Full length human S100 beta recombinant protein |
| Purification | Affinity purified by Protein A. |
| Conjugation | Unconjugated |

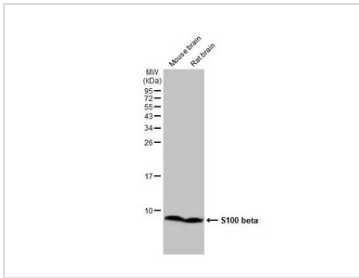
Note

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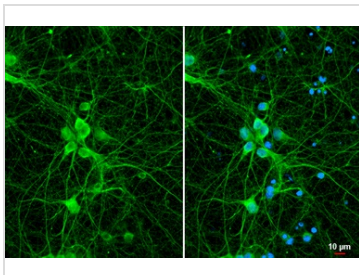
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DATA IMAGES

GTX638273 WB Image

Various tissue extracts (50 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with S100 beta antibody [HL2228] (GTX638273) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

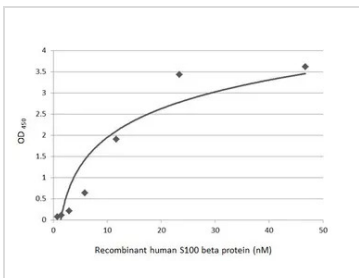

GTX638273 ICC/IF Image

S100 beta antibody [HL2228] detects S100 beta protein at glia by immunofluorescent analysis.

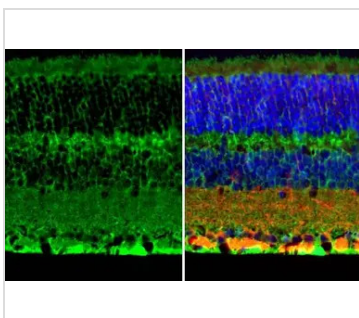
Sample: DIV9 rat E18 primary cortical neuron and glia cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: S100 beta stained by S100 beta antibody [HL2228] (GTX638273) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).


GTX638273 ELISA Image

Indirect ELISA analysis was performed by coating the plate with recombinant E.coli expressed, full-length human S100 beta protein (nM) (46.73-0.73 nM). Coated protein was probed with S100 beta antibody [HL2228] (GTX638273) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.


GTX638273 IHC-P Image

S100 beta antibody [HL2228] detects S100 beta protein by immunohistochemical analysis.

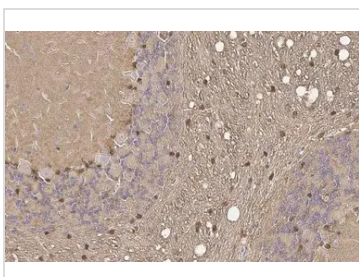
Sample: Paraffin-embedded mouse eye.

Green: S100 beta stained by S100 beta antibody [HL2228] (GTX638273) diluted at 1:100.

Red: beta Tubulin 3/ Tuj1, a Cytoskeleton marker, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] (GTX631836) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min


GTX638273 IHC-P Image

S100 beta antibody [HL2228] detects S100 beta protein at cytoplasm and nucleus by immunohistochemical analysis.

Sample: Paraffin-embedded mouse cerebellum.

S100 beta stained by S100 beta antibody [HL2228] (GTX638273) diluted at 1:100.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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