

**Product Name: S100A6 Mouse Monoclonal Antibody****Catalog #: AMM80533**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | IHC,ELISA   |
| <b>Reactivity</b>    | Human   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |                                       |
|-------------------------|---------------------------------------|
| <b>Dilution Ratio</b>   | IHC 1:200-1:1000,ELISA 1:5000-1:20000 |
| <b>Molecular Weight</b> | /                                     |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | S100A6   |
| <b>Alternative Names</b> | S100A6; 2A9; PRA; 5B10; CABP; CACY                               |
| <b>Gene ID</b>           | 6277.0   |
| <b>SwissProt ID</b>      | P06703   |
| <b>Immunogen</b>         | Purified recombinant fragment of calyculin expressed in E. Coli. |

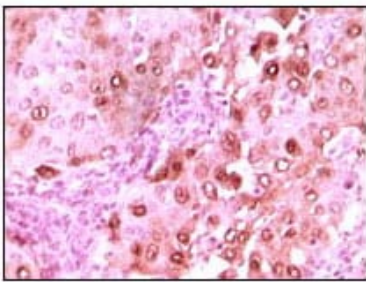
**Background**

Calcyclin 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. This protein may function in stimulation of  $\text{Ca}^{2+}$ -dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma.

## Research Area

## Image Data



Immunohistochemical analysis of paraffin-embedded human brain glioma tissue showing nuclear localization using calyculin mouse mAb with DAB staining.