

**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 calcyclin expressed in E. Coli.

**Background**

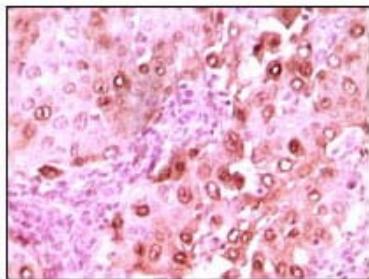
Calcyclin encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located

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as a cluster on chromosome 1q21. This protein may function in stimulation of Ca<sup>2+</sup>-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 calcyclin mouse mAb with DAB staining.