

## YY1 monoclonal antibody

Catalog: MB66944

Host: Mouse

Reactivity: Human, Rat, Monkey, Zebrafish

### BackGround:

YY1 is a ubiquitously expressed transcription factor with fundamental roles in embryogenesis, differentiation, replication and proliferation. YY1 contains four zinc finger motifs of the Cys-Cys-His-His type and can activate different eukaryotic genes or repress different eukaryotic genes as well as regulate some viral promoters. YY1 deficient embryos die approximately at the time of implantation, suggesting that YY1 has an essential role in embryonic development. YY1 is overexpressed in cancer cells such as prostate cancer and therefore may be considered a prognostic marker.

### Product:

Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 65 kDa

### Swiss-Prot:

P25490

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/1000 - 1/2000), IHC (1/50 - 1/200)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

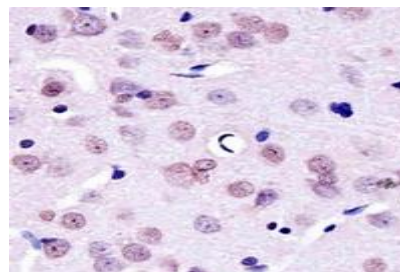
### Specificity:

Recognizes endogenous levels of YY1 protein.

### DATA:



Western blot analysis of YY1 expression in 293 (A), C6 (B), HeLa (C), U251 MG (D) whole cell lysates.



Immunohistochemical analysis of YY1 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### Note:

For research use only, not for use in diagnostic procedure.

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