

SOX6 Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 28117

Size: 100 ug Protein G-purified antibody in PBS, pH 7.4.

BACKGROUND

The SOX gene family is defined by the Sry-related HMG box domain that mediates sequence-specific DNA binding. A variety of functions are associated with the SOX proteins during development. SOX6 is believed to regulate embryonic development and determine cell fate. Mouse SOX6 is expressed in the CNS during embryogenesis, but this expression decreases significantly in the adult CNS. In humans, SOX6 is expressed in fetal brain and in gliomas but only at very low levels in the adult brain. A direct link between SOX6 expression and malignancy has not been demonstrated, so SOX6 probably does not promote proliferation, but it may induce transformation activity in the early stage of oncogenesis in gliomas.

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 780-796 of human and mouse SOX6.

Host Species: Rabbit

Antibody Class: Polyclonal

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human SOX6 and is predicted to recognize mouse, rat, and chimpanzee SOX6 based on 100% sequence homology.

APPLICATIONS

Immunoblotting : use at 1-5ug/ml. A band of approximately 93 kDa is detected. These are recommended concentrations. User should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.