

SOX2 Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 11301

Format: 100ug lyophilized from purified antibody in 10mM PBS, pH 7.4, 1.0% bovine serum albumin (BSA).

BACKGROUND

The SOX2 gene codes for SOX2 protein (also called SRY-box2) that plays a critical role in the formation of many different tissues and organs during embryonic development. The SOX2 protein is especially important for the development of the eyes. This protein family shares highly conserved DNA binding domains known as HMG (High-mobility group) box domains containing approximately 80 amino acids.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide corresponding to aa 219-236 (GSPTYSMSYSQQGTPGMA) of human SOX2.

Accession no.: P48431

Gene ID: 6657

Antibody Class: IgG2b

Clone no.: 9B12H

Host Species: Mouse

Specificity: This antibody recognizes human SOX2.

APPLICATIONS

Immunoblotting: use at 1-5ug/ml under reducing conditions. A band of ~34kDa is detected.

Immunofluorescence: use at 0.2-1ug/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

RECONSTITUTION INSTRUCTIONS

Dissolve the lyophilized antibody in 50ul of distilled water (final concentration 2.0mg/ml) for stock solution. Dilute the stock solution in 10mM PBS, pH 7.4 + 1.0% BSA immediately before use.

STORAGE AND STABILITY

Store the stock solution at a minimum concentration of 2.0mg/ml. A lower concentration may result in decreased stability. Store stock solution at -20°C for at least one (1) year; avoid multiple freeze-thaw cycles. Add 0.1% sodium azide in order to store stock solution at 4°C. Diluted antibody should not be stored.

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