

Product Information

Anti-SOX11 antibody, Mouse monoclonal
clone SOX11-2, purified from hybridoma cell culture

Catalog Number **SAB4200472**

Product Description

Anti-SOX11 (mouse IgG1 isotype) is derived from the hybridoma SOX11-2 produced by the fusion of mouse myeloma cells and splenocytes from BALB/c mice immunized with a synthetic peptide corresponding to an internal region of human SOX11 (GeneID: 6664), conjugated to KLH. The corresponding sequence is identical in monkey and pig and differs by 3 amino acids in mouse and rat. The isotype is determined by ELISA using Mouse Monoclonal Antibody Isotyping Reagents, Catalog Number ISO2. The antibody is purified from culture supernatant of hybridoma cells grown in a bioreactor.

Anti-SOX11 recognizes human SOX11. The antibody can be used in several immunochemical techniques including immunoblotting and immunoprecipitation. Detection of the SOX11 band by immunoblotting is specifically inhibited by the immunizing peptide. The antibody does not recognize human recombinant SOX4 and SOX12.

SOX11 is a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development of the central nervous system and in the determination of the cell fate. It is expressed in adult immature neurons but is normally not expressed in any other adult tissue. SOX11 plays a role in tumorigenesis.¹⁻⁶

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~ 1.0 mg/mL

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze at -20 °C in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

Immunoblotting: a working concentration of 0.25-0.5 µg/mL is recommended using whole extracts of HEK-293T cells overexpressing human SOX11.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

1. Jay, P., *Genomics*, **29**, 541-545 (1995).
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3. Xu, W., and Li, J.Y., *Leuk. Lymphoma*, **51**, 1962-1967 (2010).
4. Wang, X., et al., *PLoS One*, **5**, e14085 (2010).
5. Vegliante, M.C., et al., *PLoS One*, **6**, e21382 (2011).
6. Mu, L., et al., *J. Neurosci.*, **32**, 3067-3080 (2012).

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