3050 Spruce Street, St. Louis, MO 63103 USA
Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757
email: techservice@sial.com sigma-aldrich.com

Product Information

Anti-SOX11
produced in rabbit, affinity isolated antibody

Catalog Number **SAB4200449**

Product Description

Anti-SOX11 is produced in rabbit using as immunogen a 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 antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-SOX11 recognizes human SOX11. The antibody may be used in various immunochemical techniques including immunoblotting, immunoprecipitation and immunofluorescence. 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.[1-5]

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

This product is 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 in working aliquots. Repeated freezing and thawing 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 0.5-1.0 µg/mL is recommended using whole extracts of HEK-293T cells over-expressing human tagged-SOX11 (~72 kDa).

Immunoprecipitation: a working amount of 5-10 µg is recommended using lysates of HEK-293T cells over-expressing human SOX11.

Immunofluorescence: a working concentration of 5-10 µg/mL is recommended using human HeLa cells.

Note: In order to obtain best results in different techniques and preparations we recommend determining optimal working concentration by titration test.

References

1. Jay, P., *Genomics*, **29**, 541-545 (1995).
2. Gustavsson, E., et al., *Mol. Cancer*, **9**, 187-198 (2010).
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).

ST,RC,PHC 04/12-1