

Product Information

Anti-SOX11 (C-terminal)

produced in rabbit, IgG fraction of antiserum

Catalog Number **SAB4200450**

Product Description

Anti-SOX11 (C-terminal) is produced in rabbit using as immunogen a peptide corresponding to the C-terminal region of human SOX11 (GenelD: 6664), conjugated to KLH. The corresponding sequence is identical in monkey, bovine and pig and differs by a single amino acid in mouse and rat. Whole antiserum is purified using protein A immobilized on agarose to provide the IgG fraction of antiserum.

Anti-SOX11 (C-terminal) recognizes human and rat SOX11. The antibody may be used in various immunochemical techniques including immunoblotting, immunofluorescence and immunohistochemistry. 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.¹⁻⁵ SOX11 plays a role in tumorigenesis.

Reagent

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

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 dilution of 1:4,000-1:8,000 is recommended using whole extracts of HEK-293T cells over-expressing human recombinant SOX11.

Immunofluorescence: a working dilution of 1:100-1:200 is recommended using human HeLa cells.

Immunohistochemistry: a working dilution of 1:100-1:200 is recommended using formalin-fixed paraffin-embedded rat brain and cerebellum.

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).

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