Datasheet for ABIN7599320

anti-SOX11 antibody (AA 1-374)

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Overview

Quantity:	100 µg
Target:	SOX11
Binding Specificity:	AA 1-374
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOX11 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SOX11 Antibody Picoband®
Immunogen:	E.coli-derived human SOX11 recombinant protein (Position: M1-H374).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SOX11 Antibody Picoband® (ABIN7599320). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SOX11
Alternative Name:	SOX11 (SOX11 Products)
Background:	Synonyms: Nuclear factor of activated T-cells, cytoplasmic 4, NF-ATc4, NFATc4, T-cell transcription factor NFAT3, NF-AT3, NFATC4, NFAT3, Tissue Specificity: Highly expressed in placenta, lung, kidney, testis and ovary. Weakly expressed in spleen and thymus. Not expressed in peripheral blood lymphocytes. Detected in hippocampus. Background: Transcription factor SOX-11 is a protein that in humans is encoded by the SOX11 gene. This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The protein may function in the developing nervous system and play a role in tumorigenesis.
Molecular Weight:	50 kDa
Gene ID:	6664
UniProt:	P35716
Pathways:	Tube Formation

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Dodonova, S. O., Zhu, F., Dienemann, C., Taipale, J., Cramer, P. Nucleosome-bound SOX2 and SOX11 structures elucidate pioneer factor function. Nature 580: 669-672, 2020. 2. Jay, P., Goze, C., Marsollier, C., Taviaux, S., Hardelin, J.-P., Koopman, P., Berta, P. The human SOX11 gene: cloning, chromosomal assignment and tissue expression. Genomics 29: 541-545, 1995. 3. Laudet, V., Stehelin, D., Clevers, H. Ancestry and diversity of the HMG box superfamily. Nucleic Acids Res. 21: 2493-2501, 1993.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.