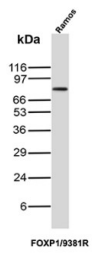
FOXP1 Antibody / Forkhead Box Protein P1 Antibody [clone FOXP1/9381R] (V5620)

Catalog No.	Formulation	Size
V5620-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5620-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5620SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

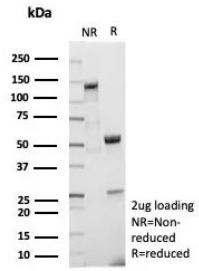
Recombinant RABBIT MONOCLONAL

Bulk quote request

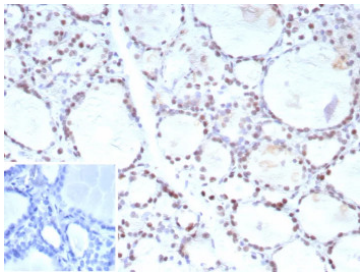
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	FOXP1/9381R
Purity	Protein A/G affinity
UniProt	Q9H334
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This FOXP1 Antibody / Forkhead Box Protein P1 Antibody is available for research use only.



FOXP1 Antibody Ramos WB. Western blot analysis of Ramos cell lysate using Forkhead Box Protein P1 Antibody clone FOXP1/9381R. A distinct band is detected at approximately 75-80 kDa, consistent with the expected molecular weight of Forkhead box protein P1 / FOXP1, a transcription factor involved in B-cell differentiation, lymphoid development, and transcriptional regulation. The observed signal is consistent with the established expression of FOXP1 in B-cell lineage-derived Ramos cells.



SDS-PAGE analysis of purified, BSA-free FOXP1 antibody (clone FOXP1/9381R) as confirmation of integrity and purity.



FOXP1 Antibody Human Prostate Carcinoma IHC. Immunohistochemical staining of FFPE human prostate carcinoma tissue using FOXP1 Antibody / Forkhead Box Protein P1 Antibody. Following heat-induced epitope retrieval in pH 9 Tris-EDTA buffer, strong nuclear staining is observed in the malignant epithelial cells, consistent with the expected subcellular localization of FOXP1. The inset shows the negative control, in which PBS was substituted for the primary antibody, demonstrating the specificity of the immunostaining. This FOXP1 Antibody, a Forkhead Box Protein P1 Antibody, is well suited for immunohistochemical studies of transcriptional regulation, prostate cancer biology and FOXP1 expression in tumor tissues.

Description

FOXP1 Antibody / Forkhead Box Protein P1 Antibody recognizes Forkhead Box Protein P1 (FOXP1), a DNA-binding transcription factor belonging to the forkhead box P subfamily. FOXP1 regulates gene expression programs that control cellular differentiation, proliferation and tissue development through sequence-specific DNA binding and interactions with transcriptional co-regulators. It is broadly expressed in lymphoid tissues, heart, lung, brain and epithelial organs, reflecting its essential roles in normal physiology. NSJ Bioreagents offers FOXP1 antibodies to support investigations of developmental biology, immunology, neuroscience and oncology.

Forkhead Box Protein P1 is a key regulator of immune cell development, particularly within B lymphocytes and T lymphocytes, where it influences lineage specification, maturation and functional responses. During embryonic development, FOXP1 contributes to formation of the cardiovascular system, lungs and central nervous system while helping coordinate cellular differentiation and organogenesis. In the brain, FOXP1 is highly expressed in selected neuronal populations and participates in neural circuit formation, synaptic maturation and higher cognitive function. A FOXP1 Antibody is therefore valuable for studying transcriptional networks that govern normal development and tissue-specific gene expression.

Altered expression or mutation of FOXP1 has been implicated in diffuse large B-cell lymphoma, mucosa-associated lymphoid tissue lymphoma, chronic lymphocytic leukemia and numerous solid tumors. Depending on cellular context, Forkhead Box Protein P1 may function as either a tumor suppressor or an oncogenic transcriptional regulator. Germline variants in FOXP1 are also associated with neurodevelopmental disorders characterized by intellectual disability, language impairment and autism spectrum features. Researchers frequently use FOXP1 Antibody to examine nuclear protein expression, investigate transcriptional regulation and characterize disease-associated changes in FOXP1 signaling.

An FOXP1 Antibody is a valuable reagent for detecting Forkhead Box Protein P1 by Western blotting, immunohistochemistry, immunofluorescence, flow cytometry and related immunoassays. A Forkhead Box Protein P1 Antibody supports studies of transcriptional regulation, immune cell biology, neuronal development, organogenesis and cancer research.

For an overview of FOXP1 biology and its roles in transcriptional regulation, development and cancer, visit our FOXP1 Antibody / Forkhead Transcription Factor Antibody page.

Application Notes

Optimal dilution of the FOXP1 Antibody / Forkhead Box Protein P1 Antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 350-450) of human FOXP1 protein was used as the immunogen for the FOXP1 antibody.

Storage

Aliquot the FOXP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

FOXP1 antibody, Forkhead Box Protein P1 antibody, HSPC215 antibody, QRF1 antibody

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