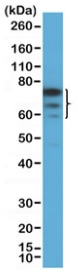
# FOXP1 Antibody / Breast Cancer Biomarker Antibody [clone RM402] (R20418)

| Catalog No. | Formulation | Size |
|---|---|---|
| R20418-0.1ML | Antibody in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide | 100 ul |

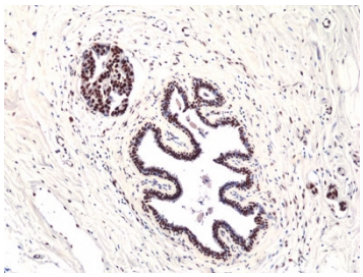
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG |
| **Clone Name** | RM402 |
| **Purity** | Protein A purified from animal origin-free supernatant |
| **UniProt** | Q9H334 |
| **Localization** | Nuclear |
| **Applications** | Immunohistochemistry (FFPE): 1:100-1:200<br>Western blot: 1:1000-1:2000 |
| **Limitations** | This FOXP1 Antibody / Breast Cancer Biomarker Antibody is available for research use only. |




FOXP1 Antibody HEK293 Cell WB. Western blot analysis of human HEK293 cell lysate using recombinant rabbit monoclonal FOXP1 Antibody, clone RM402, at a 1:1000 dilution. A distinct band is detected at approximately 65-77 kDa, consistent with the expected molecular weight range of multiple FOXP1 isoforms. This result demonstrates specific detection of endogenous FOXP1 in human cells and supports the use of FOXP1 Antibody, clone RM402, for studies of breast cancer biomarkers and FOXP1-mediated transcriptional regulation.



FOXP1 Antibody Human Breast Ductal Carcinoma IHC. Immunohistochemical staining of FFPE human breast ductal carcinoma tissue using recombinant rabbit monoclonal FOXP1 Antibody, clone RM402, at a 1:200 dilution. Strong nuclear staining is observed in the carcinoma cells, consistent with the expected subcellular localization of FOXP1 as a transcription factor, while surrounding stromal tissue shows comparatively limited reactivity. This staining pattern demonstrates the utility of FOXP1 Antibody, clone RM402, for investigating breast cancer biomarkers and evaluating FOXP1 expression in human breast tumors.

## Description

FOXP1 Antibody / Breast Cancer Biomarker Antibody recognizes FOXP1, a member of the forkhead box P family of transcription factors that regulates gene expression controlling cellular differentiation, proliferation and survival. FOXP1 is widely expressed in epithelial tissues, lymphoid organs and the nervous system, where it influences developmental and homeostatic transcriptional programs. Increasing evidence has established FOXP1 as an important biomarker in breast cancer, making it a valuable target for studies investigating tumor biology, molecular pathology and transcriptional regulation. NSJ Bioreagents offers FOXP1 Antibody, clone RM402, a recombinant rabbit monoclonal antibody developed to support oncology and cell biology research.

FOXP1 functions primarily within the nucleus, where it binds specific DNA sequences and regulates transcription through interactions with chromatin remodeling complexes and other transcription factors. In breast tissue, FOXP1 contributes to the regulation of epithelial cell differentiation and cellular homeostasis. Altered FOXP1 expression has been associated with changes in tumor phenotype, hormone receptor signaling and disease progression, leading to considerable interest in its potential diagnostic and prognostic significance. FOXP1 Antibody, clone RM402, is well suited for evaluating nuclear FOXP1 expression in breast cancer specimens and experimental models.

Beyond breast cancer, FOXP1 has been implicated in diffuse large B-cell lymphoma, mucosa-associated lymphoid tissue lymphoma, chronic lymphocytic leukemia and multiple solid tumors. Depending on cellular context, FOXP1 may function as either a tumor suppressor or an oncogenic transcriptional regulator by influencing cell proliferation, apoptosis and differentiation. These diverse biological functions continue to drive research into FOXP1 as both a mechanistic regulator and a clinically relevant biomarker across numerous malignancies. Researchers frequently employ FOXP1 Antibody to investigate tumor-associated transcriptional programs and characterize patterns of nuclear protein expression in cancer tissues.

A FOXP1 Antibody supports investigations of breast cancer biology, transcriptional regulation and tumor progression. A Breast Cancer Biomarker Antibody is particularly useful for studies examining FOXP1 expression, molecular pathology and epithelial tumor differentiation in breast 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

The stated application concentrations are suggested starting points. Titration of the FOXP1 Antibody / Breast Cancer Biomarker Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A peptide corresponding to residues near the C-terminus of human Foxp1 was used as the immunogen for the recombinant FOXP1 antibody.

## Storage

Store the recombinant FOXP1 antibody at -20oC.

## Alternate Names

FOXP1 antibody, Breast Cancer Biomarker antibody, Forkhead Box Protein P1 antibody, HSPC215 antibody


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