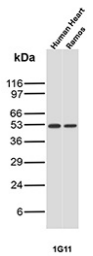
ETS1 Antibody / Transcriptional Regulation and Tumor Progression Marker Antibody [clone r1G11] (V5883)

Catalog No.	Formulation	Size
V5883-100UG	0.2 mg/ml in 1X PBS with 0.05% BSA, 0.05% sodium azide	100 ug
V5883-20UG	0.2 mg/ml in 1X PBS with 0.05% BSA, 0.05% sodium azide	20 ug
V5883SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

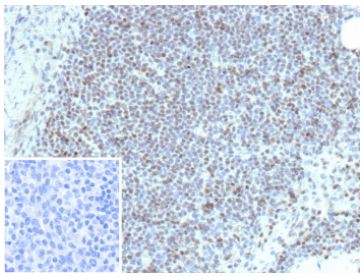
Recombinant | MOUSE MONOCLONAL

Bulk quote request

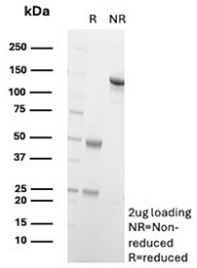
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	r1G11
UniProt	P14921
Localization	Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 2-4ug/ml
Limitations	This ETS1 Antibody / Transcriptional Regulation and Tumor Progression Marker Antibody is available for research use only.



ETS1 Antibody Tissue WB. Western blot analysis of human heart and human Ramos cell lysates using ETS1 antibody detects a band at approximately 50â€“55 kDa, consistent with the predicted molecular weight of ETS1, supporting detection of this transcription factor involved in gene regulation and tumor-associated signaling pathways; detection was performed with clone r1G11.



ETS1 Antibody Lymph Node IHC. Immunohistochemistry of FFPE human lymph node tissue using ETS1 antibody shows strong HRP-DAB brown nuclear staining in lymphoid cells, consistent with ETS1 function as a transcriptional regulator in immune cell populations and supporting its role in transcriptional regulation within the lymphoid microenvironment; inset shows a negative control section processed with PBS instead of primary antibody, confirming minimal non-specific staining. Detection was performed with clone r1G11. HIER: heat tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95oC followed by cooling at room temperature.



SDS-PAGE Analysis of Purified Transcription Factor ETS1 antibody (clone r1G11). Confirmation of Purity and Integrity of Antibody.

Description

ETS proto-oncogene 1 (ETS1) is a member of the ETS family of transcription factors that regulate gene expression programs involved in cellular proliferation, differentiation, and survival. ETS1 is characterized by a conserved ETS DNA-binding domain that recognizes specific nucleotide sequences within target gene promoters and enhancers, enabling precise control of transcriptional activity. ETS1 is expressed in multiple cell types, with particularly prominent roles in hematopoietic and immune cell lineages, where it contributes to lineage specification and functional regulation.

ETS1 Antibody, also referred to as E26 transformation-specific 1 antibody and ETS1 transcription factor antibody in the literature, recognizes a nuclear protein that functions as a key regulator of gene expression in immune signaling pathways. ETS1 is highly expressed in T lymphocytes, B cells, and natural killer cells, where it participates in the regulation of cytokine production, antigen receptor signaling, and immune cell differentiation. Its activity integrates signaling inputs to coordinate transcriptional responses that govern immune function and cellular activation states.

This ETS1 Antibody / Transcriptional Regulation and Tumor Progression Marker Antibody (clone r1G11) is uniquely positioned for research focused on both immune biology and cancer-related transcriptional regulation. ETS1 has been implicated in tumor progression through its role in regulating genes associated with cell migration, invasion, and angiogenesis. In various tumor types, ETS1 expression is associated with enhanced invasive potential and remodeling of the tumor microenvironment, highlighting its contribution to cancer progression and metastatic behavior.

In tissue-based analyses, ETS1 is typically observed as nuclear staining in immune cells and tumor-associated cell populations, consistent with its function as a transcription factor. Expression patterns can vary depending on tissue type and disease context, providing insight into immune infiltration, tumor biology, and transcriptional activity within the microenvironment. Western blot analysis typically reveals a band corresponding to the expected molecular weight of ETS1, supporting confirmation of protein expression across experimental systems.

Clone r1G11 is a recombinant mouse monoclonal antibody designed to detect ETS1 with consistent performance in research applications. An ETS1 antibody is suitable for detecting ETS1 expression in studies of transcriptional regulation, immune signaling, and tumor progression where ETS family transcription factors play a central role.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

1. Optimal dilution of the ETS1 Antibody / Transcriptional Regulation and Tumor Progression Marker Antibody should be

determined by the researcher.

2. This ETS1 antibody is recombinantly produced by expression in CHO cells.

Immunogen

Prokaryotic recombinant protein corresponding to amino acids 38 to 308 of the human Ets-1 oncoprotein isoform 2 was used as the immunogen for the Transcription Factor ETS1 antibody.

Storage

ETS1/Protein C-ets-1 antibody with sodium azide - store at 2 to 8oC; antibody without sodium azide - store at -20 to -80oC.

Alternate Names

ETS1 antibody, E26 transformation-specific 1 antibody, v-ets avian erythroblastosis virus E26 oncogene homolog 1 antibody, ETS proto-oncogene 1 antibody, ETS1 transcription factor antibody