

Datasheet for 600-401-GH4**STAT5 R31-Me1 Antibody****Overview**

Description:	Anti-STAT5 [Arg31-Methyl] (RABBIT) Antibody - 600-401-GH4
Item No.:	600-401-GH4
Size:	100 µg
Applications:	Dot Blot
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Signal transducer and activator of transcription 5 (Stat5) belongs to a family of cytoplasmic transcription factors that can be activated (phosphorylated) by a cell surface receptor. Phosphorylation at Tyr694 is obligatory for Stat5 activation. Stat5 has two isoforms, Stat5a and Stat5b. Aberrant Stat5 activation has been implicated in the pathogenesis of chronic myelogenous leukemia, prostate and breast cancer and tumor metastasis. Stat5 is localized in the cytoplasm and upon phosphorylation at Y694 is translocated to the nucleus.
Synonyms:	rabbit anti-STAT5 methyl Arg31 antibody, rabbit anti-STAT5 R31me antibody, STAT-5, STAT 5, STAT5A, Signal Transducer and Activator of Transcription 5A antibody, STAT-5A, Transcription factor STAT5A antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	STAT5A
Reactivity:	Human
PTM Specificity:	Methylation
Immunogen Type:	Conjugated Peptide

Immunogen:	STAT5A [Arg31-Methyl] affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic monomethylated peptide surrounding Arginine 31 of human STAT.
Purity/Specificity:	Anti-STAT5 R31/Me1 was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific for STAT5 R31/Me1 and does not react with other STATs surrounding aa31. A BLAST analysis was used to suggest cross-reactivity with Human, mouse, and rat. Cross-reactivity with STAT5 from other sources has not been determined.
Relevant Links:	• UniProtKB - P42229

Application Details

Tested Applications:	Dot Blot
Application Note:	Anti-STAT5 [Arg31/Me1] antibody has been tested by Dot Blot and is useful for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~90.6 kDa corresponding to STAT5 protein by Western Blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000
WB:	1:500
Other:	Dot Blot: 1:500-1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.57 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	30% Glycerol

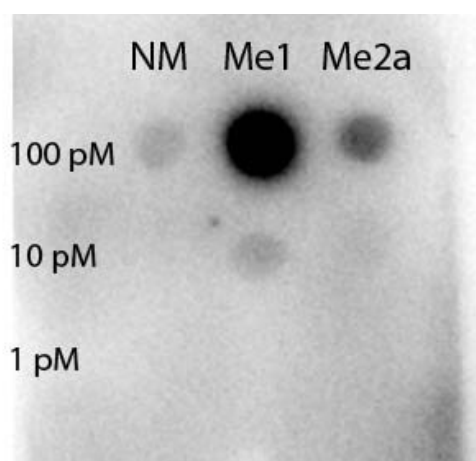
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Dot Blot

Dot blot of Rabbit Anti-STAT5 R31-Me1 antibody. Antigen: non-modified, monomethylated and asymmetric dimethylated forms of the immunizing peptide. Load: 100, 10, or 1 picomolar as indicated. Primary antibody: STAT5 R31-Me1 antibody at 1:1000 for 90 min at RT. (Date: 10/22/14; Exposure time: 12.5 seconds)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.