Datasheet for ABIN7659938

# anti-STAT2 antibody (CF®640R)

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## Overview

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| Quantity: | 100 µL |
| Target: | STAT2 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This STAT2 antibody is conjugated to CF®640R |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp)) |

## Product Details

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| Purpose: | STAT2(STAT2/2650), CF640R conjugate |
| Immunogen: | Recombinant full-length human STAT2 protein |
| Clone: | STAT2-2650 |
| Isotype: | IgG1, kappa |
| Characteristics: | Membrane receptor signaling by various ligands, including interferons and growth hormones such as EGF, induces activation of JAK kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN- is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 has been shown to be activated by prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer |

## Product Details

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| | exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors. |

## Target Details

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| Target: | STAT2 |
| Alternative Name: | STAT2 |
| Background: | Synonyms: Homo sapiens interferon alpha induced transcriptional activator, interferon alpha induced transcriptional activator (ISGF3), P113, signal transducer and activator of transcription 2 113kD (STAT113), Signal transducer and activator of transcription 2 (STAT2)<br>Gene Symbol: STAT2 |
| Molecular Weight: | 113 kDa |
| Gene ID: | 6773 |
| UniProt: | P52630 |
| Pathways: | JAK-STAT Signaling, Hepatitis C, CXCR4-mediated Signaling Events |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment: | Positive Control: Ramos and Jurkat cell lysates. HeLa cell extract. Human lung carcinoma tissue. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 0.1 mg/mL |
| Buffer: | PBS, 0.1 % BSA, 0.05 % 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. |

## Handling

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| Handling Advice: | Protect from light |
| Storage: | 4 °C |
| Storage Comment: | Stable at room temperature or 37°C for 7 days.<br>Protect from light<br>Store at 2 to 8°C. Protect fluorescent conjugates from light |
| Expiry Date: | 24 months |

 