

Datasheet for ABIN7659939
anti-STAT2 antibody (CF®647)



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Overview

Quantity:	100 µL
Target:	STAT2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STAT2 antibody is conjugated to CF®647
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	STAT2(STAT2/2650), CF647 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

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

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) Gene Symbol: STAT2
Molecular Weight:	113 kDa
Gene ID:	6773
UniProt:	P52630
Pathways:	JAK-STAT Signaling , Hepatitis C , CXCR4-mediated Signaling Events

Application Details

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

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

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