



Rabbit Anti-STAT1 monoclonal antibody, clone TO78-15 (CABT-L735)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Phospho-STAT1(S727)
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TO78-15
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	87 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	Human liver cancer tissue, human breast carcinoma tissue, mouse colon tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

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- α and form a heterodimer which is part of the ISGF3 transcription factor complex. Although early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3 β appears to be activated by both while Stat3 α 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.

Keywords

Signal transducer and activator of transcription 1
91kD;CANDF7;DKFZp686B04100;IMD31A;IMD31B;IMD31C;ISGF 3;ISGF-
3;OTTHUMP00000163552;OTTHUMP00000165046;OTTHUMP00000165047;OTTHUMP00000205845;Si
transducer and activator of transcription 1 91kDa;Signal transducer and activator of transcription
1;Signal transducer and activator of transcription 1, 91kD;Signal transducer and activator of
transcription 1-alpha/beta;STAT 1;Stat1;STAT1_HUMAN;STAT91;Transcription factor ISGF 3
components p91 p84;Transcription factor ISGF-3 components p91/p84 antibody
