

Product Datasheet

STAT1 alpha Antibody



Catalog No: CY5861

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC

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Information

UniProt ID: P42224

All Names: CANDF7; ISGF 3 ; Signal transducer and activator of transcription 1, 91kDa; Signal transducer and activator of transcription 1-alpha/beta; Stat1; STAT91; Transcription factor ISGF-3 components p91/p84;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 87 kDa

Application

WB 1:5000~1:20000

IHC 1:50~1:200

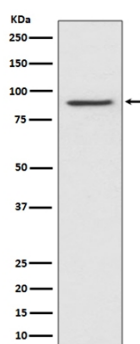
ICC/IF 1:50~1:200

IP 1:50

FC 1:500

Background

The Stat1 transcription factor is activated in response to a large number of ligands and is essential for responsiveness to IFN- α and IFN- γ . Phosphorylation of Stat1 at Tyr701 induces Stat1 dimerization, nuclear translocation, and DNA binding. The inappropriate activation of Stat1 occurs in many tumors. In addition to tyrosine phosphorylation, Stat1 is also phosphorylated at Ser727 through a p38 mitogen-activated protein kinase (MAPK)-dependent pathway in response to IFN- α and other cellular stresses. Serine phosphorylation may be required for the maximal induction of Stat1-mediated gene activation.



Western blot analysis of STAT1 alpha expression in HeLa cell lysate.

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