

Anti-STAT1 [ps727]

Catalogue number: 153528

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-STAT1 [ps727]

Alternate name: STAT1, CANDF7, IMD31A, IMD31B, IMD31C, ISGF-3, STAT91, signal transducer and activator of transcription 1

Class: Polyclonal

Conjugate: Unconjugated

Description: In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. STAT1 can be activated by several ligands such as Interferon alpha, Interferon gamma, Platelet Derived Growth Factor, Interleukin 6 or Epidermal Growth Factor. STAT1 has a key role in expressing many genes involved in survival of the cell, viability or pathogen response. Through alternative splicing there are two possible transcripts which encode 2 isoforms of STAT1. The compound, diallyl disulphide, found in garlic can induce STAT1 phosphorylation.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Human

Selectivity:

Host: Rabbit

Immunogen: keyhole limpet hemocyanin (KLH)-coupled phosphopeptide - sequence
DNLLPMpSPEEFDE

Immunogen UNIPROT ID:

Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Signal transducer and activator of transcription 1 phosphorylated at residue Serine 727

Target alternate names:

Target background: In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. STAT1 can be activated by several ligands such as Interferon alpha, Interferon gamma, Platelet Derived Growth Factor, Interleukin 6 or Epidermal Growth Factor. STAT1 has a key role in expressing many genes involved in survival of the cell, viability or pathogen response. Through alternative splicing there are two possible transcripts which encode 2 isoforms of STAT1. The compound, diallyl disulphide, found in garlic can induce STAT1 phosphorylation.

Molecular weight:

Ic50:

Applications

Application: IP ; WB ; EMSA

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions:

-80° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-Stat1- α -C, Polyclonal

References

References: McCormick et al. 2017. Oncotarget. 8(16):26832-26844. PMID: 28460465. ; Functional characterisation of a novel ovarian cancer cell line, NUOC-1.

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