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STAT2 Rabbit mAb
Catalog # AP76720

Specification

STAT2 Rabbit mAb - Product Information

Application	**WB, IHC-P**
Primary Accession	Q9WVL2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**105417**

STAT2 Rabbit mAb - Additional Information

Other Names
Stat2

Dilution
WB~~1/500-1/1000
IHC-P~~N/A

Format
Liquid

STAT2 Rabbit mAb - Protein Information

Name Stat2

Function
Signal transducer and activator of transcription that mediates signaling by type I interferons (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state. In addition, also has a negative feedback regulatory role in the type I interferon signaling by recruiting USP18 to the type I IFN receptor subunit IFNAR2 thereby mitigating the response to type I IFNs. Acts as a regulator of mitochondrial fission by modulating the phosphorylation of DNM1L at 'Ser-616' and 'Ser-637' which activate and inactivate the GTPase activity of DNM1L respectively.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P52630}. Nucleus {ECO:0000250|UniProtKB:P52630}. Note=Translocated into the nucleus upon activation by IFN-alpha/beta. {ECO:0000250|UniProtKB:P52630}

Tissue Location
Found in the brain, lung, heart, spleen, liver, kidney, muscle and the testis

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STAT2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STAT2 Rabbit mAb - Images