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39-2062: Anti-STAT1 Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	STAT1
Gene ID :	6772
Uniprot ID :	P42224
Alternative Name :	Signal transducer and activator of transcription 1-alpha/beta; Transcription factor ISGF-3 components p91/p84; STAT1
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide corresponding to a sequence in the middle region of human STAT1(364-378aa FDKDVNERNTVKGFR), different from the related mouse sequence by one amino acid.

Description

Signal transducer and activator of transcription 1 (STAT1) is a transcription factor which in humans is encoded by the STAT1 gene. The protein encoded by this gene is a member of the STAT protein family. 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. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.

Product Info

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Storage condition :	At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.1-0.5µg/ml

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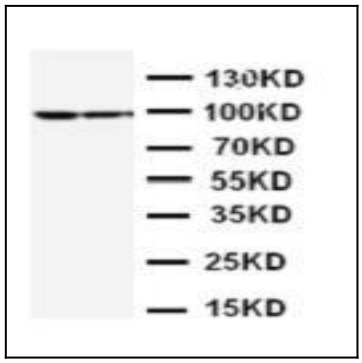

Figure 1: Anti-STAT1 antibody(39-2062). Western blotting: Lane 1: MCF-7 Cell Lysate, Lane 2: HELA Cell Lysate.

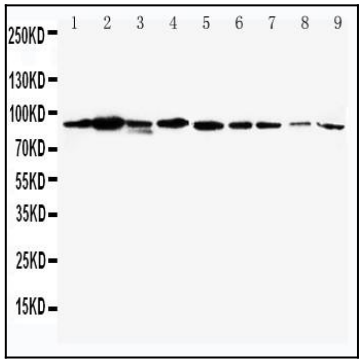

Figure 2: Anti-STAT1 antibody(39-2062). Western blotting: Lane 1: Mouse Heart Tissue Lysate, Lane 2: Mouse Liver Tissue Lysate, Lane 3: Mouse Brain Tissue Lysate, Lane 4: Mouse Kidney Tissue Lysate, Lane 5: Mouse Spleen Tissue Lysate, Lane 6: Mouse Thymus Tissue Lysate, Lane 7: Mouse Lung Tissue Lysate, Lane 8: Mouse Intestine Tissue Lysate, Lane 9: Mouse Ovary Tissue Lysate.