

Product datasheet for **TA320467**

STAT1 Hamster Monoclonal Antibody [Clone ID: ATO-2F5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ATO-2F5
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Hamster
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	signal transducer and activator of transcription 1
Database Link:	NP_009330 Entrez Gene 6772 Human P42224

Background: The ATO-2F5 monoclonal antibody reacts with human Stat-1 (Signal Transducer and Activator of transcription-1) and has shown some cross-reactivity to mouse Stat-1. Stat-1 is a ubiquitously expressed transcription factor that resides in the cytoplasm until interferon receptor signaling leads to JAK-mediated phosphorylation. Upon phosphorylation, Stat-1 dimerizes and translocates to the nucleus where it forms the ISGF3 (Interferon-Stimulated Gene Factor 3) complex with Stat-2 and IRF-9. This complex is the main transcriptional activator for interferon signaling.

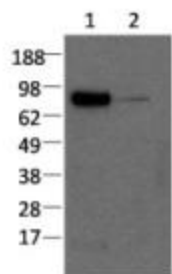
Synonyms: CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Chemokine signaling pathway, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer, Toll-like receptor signaling pathway



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Product images:

Immunoblot of human peripheral blood mononuclear cell (lane 1) and mouse splenocyte (lane 2) lysates with 2 ug/ml of Anti-Human STAT1 Purified. Bands were visualized using Anti-Armenian Hamster IgG HRP.