

Product datasheet for **TA328065**

STAT3 Mouse Monoclonal Antibody [Clone ID: 13A3-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	13A3-1
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	KLH conjugated modified synthetic peptide
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Previous lots of this product may have been formulated with 0.1% or 0.05% NaN ₃ instead of 0.09% NaN ₃ .
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	88 kD
Gene Name:	signal transducer and activator of transcription 3
Database Link:	NP_998827 Entrez Gene 6774 Human P40763
Background:	Tyrosine phosphorylation of STAT3 at Y705 occurs in response to LIF, IL-6, leptin, OSM, EGF, PDGF, and HGF. It plays a key role in cell growth and apoptosis through mediating expression of a variety of genes in response to the stimuli.
Synonyms:	ADMIO; APRF; HIES

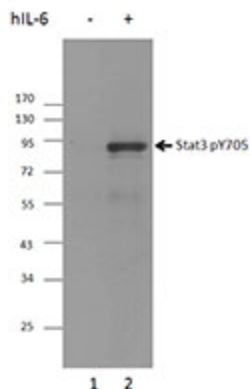


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Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Acute myeloid leukemia, Adipocytokine signaling pathway, Chemokine signaling pathway, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer

Product images:



HepG2 cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with purified anti-STAT3 pY705 (clone 13A3-1) antibody. Proteins were visualized using an anti-mouse IgG secondary antibody conjugated to HRP and chemiluminescence detection. Lane 1, lysates from untreated HepG2 cells; Lane 2, lysates from HepG2 cells treated with recombinant hIL-6 for 15 minutes.