

Product datasheet for **AM06296SU-N**

STAT3 Mouse Monoclonal Antibody [Clone ID: 7G3H4]

Product data:

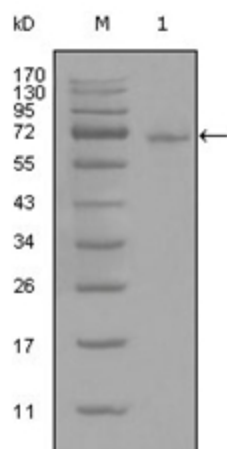
Product Type:	Primary Antibodies
Clone Name:	7G3H4
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of STAT3 expressed in E. Coli.
Specificity:	Recognizes Signal Transducer and Activator Of Transcription 3 (STAT3).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	signal transducer and activator of transcription 3
Database Link:	Entrez Gene 6774 Human P40763
Background:	STAT3 is a key signaling molecule for many cytokines and growth-factor receptors and is required for murine fetal development. STAT3 is also constitutively activated in a number of human tumors, possesses oncogenic potential, and anti-apoptotic activities. Following phosphorylation at Y705, STAT3 dimerizes, translocates to the nucleus and binds DNA. Transcriptional activation seems to be regulated by phosphorylation at Ser 727. STAT3 exists as an alpha form (86kD) and a beta form (79kD) that lacks a 50 amino acid domain containing Ser 727.



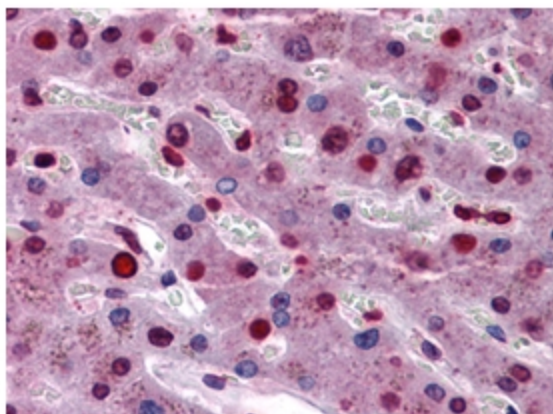
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Synonyms: STAT-3, Acute-phase response factor, APRF

Product images:



Western blot analysis using STAT3 antibody Cat.-No AM06296SU-N against full-length STAT3-His recombinant protein (1).



Immunohistochemical analysis of paraffin-embedded human Liver tissues using STAT3 antibody Cat.-No AM06296SU-N