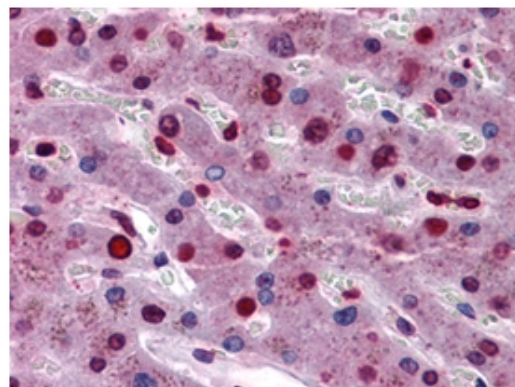


AM06296SU-N**Monoclonal Antibody to STAT3 - Ascites**

Alternate names:	APRF, Acute-phase response factor, STAT-3, Signal transducer and activator of transcription 3
Quantity:	0.1 ml
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.
Uniprot ID:	P40763
NCBI:	NP_003141.2
GeneID:	6774
Host / Isotype:	Mouse / IgG1
Clone:	7G3H4
Immunogen:	Purified recombinant fragment of STAT3 expressed in E. Coli.
Format:	State: Ascitic fluid containing 0.03% Sodium Azide.
Applications:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes Signal Transducer and Activator Of Transcription 3 (STAT3).
Species Reactivity:	Tested: Human.
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. Shelf life: one year from despatch.
General Readings:	1. APMIS. 2007 Dec;115(12):1331-43. 2. Oncol Rep. 2008 Sep;20(3):597-604.

Pictures:

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



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

