

Basic Information

Product Name	Anti-STAT3 (Phospho-Y705) Antibody (Clone#IFA-19)	
Gene Name	STAT3	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human STAT3	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	88 kDa	
Dilution Ratios	Western blot (WB):	1:1000-5000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:30

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

The transcription factor, signal transducer and activator of transcription-3 (STAT-3) is the most pleiotropic member of the signal transducer and activator of transcription (STAT) family of transcription factors and mediates pivotal responses for the cytokine family. The mouse STAT3 gene contains 24 exons and spans 30 kb. The translation initiation codon is in exon 2, and the stop codon is in exon 24. STAT3 is mapped to 17q21. It contributes to various physiological processes. Hepatic STAT-3 signaling is thus essential for normal glucose homeostasis and may provide new therapeutic targets for diabetes mellitus.

Reference

Anti-STAT3 (Phospho-Y705) Antibody (Clone#IFA-19)被引用在24文献中。

Selected Validation Data

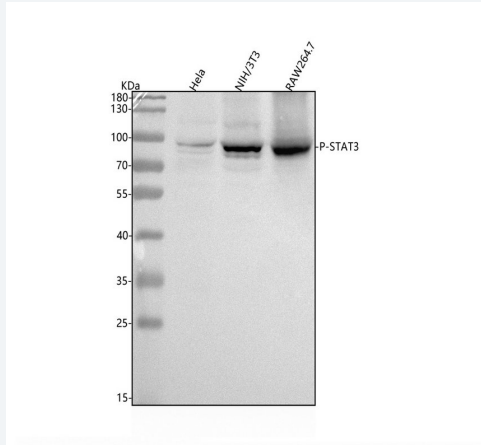


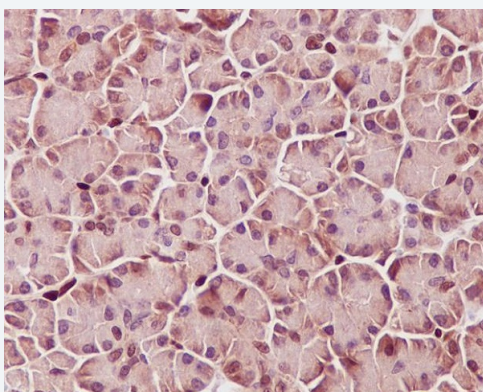
Figure 1. Western blot analysis of anti-STAT3 antibody (BM4835). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HeLa whole cell lysates,

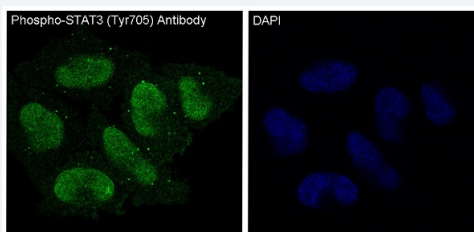
Lane 2: mouse NIH/3T3 whole cell lysates,

Lane 3: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-STAT3 antigen affinity purified monoclonal antibody (BM4835) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for STAT3 at approximately 88 kDa. The expected band size for STAT3 is at 88 kDa.



Immunohistochemical analysis of paraffin-embedded human pancreas, using Phospho-STAT3 (Y705) Antibody.



Immunofluorescent analysis of HeLa cells treated with IFN-alpha, using Phospho-STAT3 (Y705) Antibody.

Product datasheet

**Anti-STAT3 (Phospho-Y705) Antibody
(Clone#IFA-19)**

Catalog Number: BM4835

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