

产品名称: STAT3 Mouse Monoclonal Antibody
产品货号: AMM80909



产品概述 (Summary)

产品名称 (Production Name)	STAT3 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	STAT3
别名 (Alternative Names)	APRF; HIES; FLJ20882; MGC16063; STAT3
基因 ID (Gene ID)	6774.0
蛋白 ID (SwissProt ID)	P40763.Purified recombinant fragment of human STAT3 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	88kDa

研究背景 (Background)

The Stat3 transcription factor is an important signaling molecule for many cytokines and growth-factor receptors and is required for murine fetal development . Stat3 is constitutively activated in a number of human tumors and possesses

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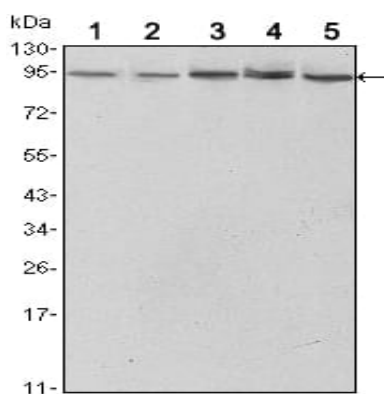


oncogenic potential and anti-apoptotic activities. Stat3 is activated by phosphorylation at Tyr705, which induces dimerization, nuclear translocation and DNA binding. Transcriptional activation seems to be regulated by phosphorylation at Ser727 through the MAPK or mTOR pathways. Stat3 isoform expression appears to reflect biological function as the relative expression levels of Stat3a (86 kDa) and Stat3

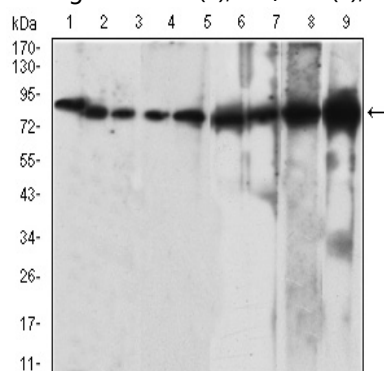
研究领域 (Research Area)

Jak-STAT signaling pathway

图片 (Image Data)

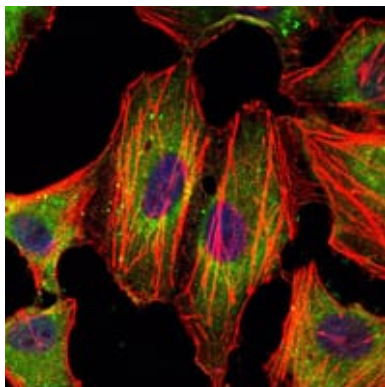


Western blot analysis using STAT3 mouse mAb against HeLa (1), NIH/3T3 (2), Jurkat (3), PC-12 (4) and COS7 (5) cell lysate.

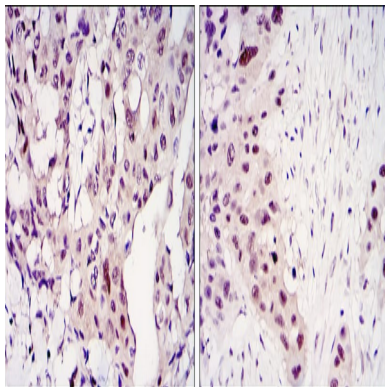


Western blot analysis using STAT3 mouse mAb against
NRK(1), C2C12(2), C6(3), 81505(4), KO-SF(5), RSC-96(6), NIH/3T3(7), HeLa(8), Jurkat(9) cell lysate.

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Immunofluorescence analysis of Hela cells using STAT3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Immunohistochemical analysis of paraffin-embedded human mammary cancer tissues (left) and lung cancer tissues (right) using STAT3 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .