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Anti-STAT3 (phospho Ser727) Rabbit mAb [10H81]

Catalog No.: A52321

Basic Information

Catalog No. (Cat.No.)	A52321
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	STAT3 (phospho Ser727),p-STAT3(Ser727),STAT3,APRF,Signal transducer and activator of transcription 3,Acute-phase response factor

Product Information

Target	STAT3 (phospho Ser727)
Molecular Weight(Calculated)	88 kDa
Molecular Weight(Observed)	88 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	10H81
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:400-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	STAT3 (phospho Ser727)
Gene Name	*STAT3*
Domain	NA
Background	STAT3 Ser727 is serine-phosphorylation site targeted by kinases including MAPK and PKC, functionally distinct from JAK-dependent Tyr705 activating motif. Ser727 phosphorylation modulates STAT3 transcriptional potency and protein stability, and also promotes STAT3 mitochondrial translocation to regulate mitochondrial respiration and ROS production. Biological outcomes of Ser727 modification are context-dependent, either potentiating or restraining STAT3-dependent transcription and mediating pathway crosstalk.