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Anti-STAT3 Rabbit mAb [40B23]

Catalog No.: A52320

Basic Information

Catalog No. (Cat.No.)	A52320
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	STAT3,APRF,Signal transducer and activator of transcription 3,Acute-phase response factor

Product Information

Target	STAT3
Molecular Weight(Calculated)	88 kDa
Molecular Weight(Observed)	88 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	40B23
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	1:1000-1:5000
IHC	1:100-1:500
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Signal transducer and activator of transcription-3
Gene Name	*STAT3*
Domain	NA
Background	STAT3 (Signal transducer and activator of transcription 3) is central JAK-STAT-family transcription factor transducing cytokine- and growth-factor-derived signals to control proliferation, survival, inflammation, EMT and stem-cell homeostasis. In resting cells STAT3 resides in cytosol. Cytokine-receptor-triggered JAK activity induces Tyr705 phosphorylation, STAT3 dimerization and nuclear translocation for target-gene transcription. Ser727 phosphorylation modulates mitochondrial functions. STAT3 supports physiological homeostasis while exerting potent oncogenic effects; constitutive STAT3 activation is frequently observed in solid and haematological tumours.