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Anti-STAT5A Rabbit mAb [47D84]

Catalog No.: A52322

Basic Information

Catalog No. (Cat.No.)	A52322
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	STAT5A,STAT5,Signal transducer and activator of transcription 5A

Product Information

Target	STAT5A
Molecular Weight(Calculated)	91 kDa
Molecular Weight(Observed)	91 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	47D84
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	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Signal transducer and activator of transcription-5A
Gene Name	*STAT5A*
Domain	NA
Background	STAT5A (Signal transducer and activator of transcription 5A) belongs to JAK-STAT-family and transduces signals downstream of growth hormone, prolactin and multiple interleukins, governing proliferation, differentiation, mammary-gland lactogenesis and haematopoiesis. Upon cytokine stimulation, JAK-mediated phosphorylation at conserved tyrosine residue drives STAT5A homo- or heterodimerization and nuclear translocation for target-gene transcription. STAT5A shares high sequence homology with STAT5B yet executes partially-distinct tissue-specific functions; STAT5A is critical for mammary-gland development and lactation. Constitutive STAT5A activation contributes to haematological malignancies.