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Anti-STAT1α Rabbit mAb [58E24]

Catalog No.: A52317

Basic Information

Catalog No. (Cat.No.)	A52317
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	STAT1α,STAT1-α,STAT91,transcription factor AP-2,HRS

Product Information

Target	STAT1α
Molecular Weight(Calculated)	87 kDa
Molecular Weight(Observed)	90 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	58E24
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	1:500-1:1000
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-1 α isoform
Gene Name	*STAT1*
Domain	NA
Background	STAT1 α (Signal transducer and activator of transcription 1 α) is JAK-STAT-family transcription factor transducing interferon-driven signals to govern antiviral immunity, cell-cycle arrest, pro-apoptotic programmes and anti-tumour immunity. Upon interferon stimulation, JAK-mediated tyrosine phosphorylation triggers STAT1-α homodimerization, nuclear translocation and binding to ISG promoters to induce interferon-stimulated-gene expression and exert antiviral and anti-proliferative outputs. STAT1-α represents full-length functional STAT1 isoform. Loss-of-function STAT1 defects compromise host antiviral defence.