Ablumir
Built Around Immunology

Anti-STAT2 Rabbit mAb [52B68]

Catalog No.: A52318

Basic Information

Catalog No. (Cat.No.)	A52318
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	STAT2,STAT92,p92,ISGF3 gamma

Product Information

Target	STAT2
Molecular Weight(Calculated)	98 kDa
Molecular Weight(Observed)	113 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	52B68
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
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Signal transducer and activator of transcription-2
Gene Name	*STAT2*
Domain	NA
Background	STAT2 (Signal transducer and activator of transcription 2) is JAK-STAT-family transcription factor specialized for type-I interferon (IFN-α/β) signal transduction. Following type-I-interferon receptor activation, JAK kinases phosphorylate STAT2 and STAT1. STAT1-STAT2 heterodimer associates with IRF9 to assemble ISGF3 complex, which translocates into nucleus and targets ISRE motifs to drive interferon-stimulated-gene transcription and establish cellular antiviral state. STAT2 is indispensable for type-I-IFN responses and dispensable for IFN-γ signalling. STAT2-deficient cells lose type-I-IFN-mediated antiviral protection.