Ablumir
Built Around Immunology

Anti-STAT6 (phospho Tyr641) Rabbit mAb [97C45]

Catalog No.: A52327

Basic Information

Catalog No. (Cat.No.)	A52327
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	STAT6 (phospho Tyr641),p-STAT6(Tyr641),STAT6,Signal transducer and activator of transcription 6,IL-4 Stat

Product Information

Target	STAT6 (phospho Tyr641)
Molecular Weight(Calculated)	94 kDa
Molecular Weight(Observed)	110 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	97C45
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

Ablumir
Built Around Immunology

Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IHC	1:500-1:2000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	STAT6 (phospho Tyr641)
Gene Name	*STAT6*
Domain	NA
Background	STAT6 Tyr641 is conserved JAK-catalyzed tyrosine-activation site and specific biomarker for STAT6-pathway activation. Upon IL-4 / IL-13 receptor ligation, activated JAK phosphorylates STAT6 at Tyr641. Phosphorylated STAT6 undergoes homodimerization and nuclear translocation, binding target-gene promoters to drive transcription governing Th2-cell differentiation, M2-macrophage polarization, IgE class-switching and allergic inflammation. Tyr641 phosphorylation is prerequisite for STAT6 nuclear import and transcriptional competence.