Phospho-STAT3 (Tyr705) Rabbit pAb

db2536 **Package : 20μL 50μL 100μL**

Product Name : Phospho-STAT3 (Tyr705) Rabbit pAb
Cat.No.: db2536
Synonyms : APRF; HIES; ADMIO; ADMIO1
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Sep 2015]
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Tyr705 of human STAT3
Gene ID	6774
Swiss Prot	P40763
Synonyms	APRF; HIES; ADMIO; ADMIO1
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF, FC, IP
Recommended dilution	WB: 1:2000-1:10000 IHC: 1:50 ICC/IF: 1:200 FC: 1:200 IP: 1:20
Calculated MW	88 kDa
Observed MW	88 kDa

Host species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.