bsm-52211R

- DATASHEET -

[Primary Antibody]

phospho-STAT3 (Tyr705) Recombinant Rabbit mAb



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DATASTILLT		
Host: Rabbit	lsotype: IgG	Applications: WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200)
Clonality: Recombinant	CloneNo.: 4C2	
GenelD: 6774	SWISS: P40763	
Target: STAT3 (Tyr705)		ICC/IF (1:50-200)
Immunogen: A synthesized peptide derived from human STAT3 around the phosphorylation site of Y705: AP-pY-LK.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by F	Protein A	
Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA. 0.02% Proclin300 and 50%		Predicted MW.: ^{85 kDa}
Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: ^{Cytoplasm} ,Nucleus
Background: The protein encode family. In response members are phosp and then form hom nucleus where they activated through p cytokines and grow and BMP2. This pro- genes in response to cellular processes s GTPase Rac1 has be this protein. PIAS3 p Mutations in this ge multisystem autoim syndrome. Alternati variants encoding d 2015]	d by this gene is a member of the STAT protein to cytokines and growth factors, STAT family shorylated by the receptor associated kinases, b- or heterodimers that translocate to the cell act as transcription activators. This protein is hosphorylation in response to various th factors including IFNs, EGF, IL5, IL6, HGF, LIF tein mediates the expression of a variety of the cell stimuli, and thus plays a key role in many uch as cell growth and apoptosis. The small en shown to bind and regulate the activity of protein is a specific inhibitor of this protein. The are associated with infantile-onset umune disease and hyper-immunoglobulin E ve splicing results in multiple transcript istinct isoforms. [provided by RefSeq, Sep	

– VALIDATION IMAGES



Jurkat (H) cells were treated with or without IFN (50 ng/ml) for 30 min, 25 µg total protein per lane of cell lysates (see on figure) probed with phospho-STAT3 monoclonal antibody, unconjugated (bsm-52211R) at 1:3000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-STAT3 (Tyr705) Monoclonal Antibody, Unconjugated(bsm-52211R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-STAT3 (Tyr705) Monoclonal Antibody, Unconjugated(bsm-52211R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

- SELECTED CITATIONS -

- [IF=17.4] Hui Yan. et al. Elaboration a ROS-responsive darutigenol prodrug nanoassemblies for inflammatory arthritis treatment. NANO TODAY. 2024 Apr;55:102220 WB ;MOUSE. 10.1016/j.nantod.2024.102220
- [IF=7.7] Yangyang Pan. et al. RTA activates the activity of the miR-155 promoter region and promotes the growth and

invasion of endothelial cells through the regulatory network of miR-155/GATA3/STAT3. INT J BIOL MACROMOL. 2025 May;310:143536 WB ;Human. 40288717