

## Product Datasheet

# Phospho-STAT3 (Ser727) Rabbit Polyclonal Antibody (orb7018)

<b>Description</b>	Phospho-STAT3 (Ser727) Rabbit Polyclonal Antibody
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	FC, IF, IHC-Fr, IHC-P
<b>Immunogen</b>	KLH conjugated Synthesised phosphopeptide derived from human STAT3 around the phosphorylation site of Ser727 PM(p-S)PR
<b>Target</b>	STAT3
<b>Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Primary Antibody
<b>MW</b>	88 kDa
<b>Uniprot ID</b>	<b>P40763</b>

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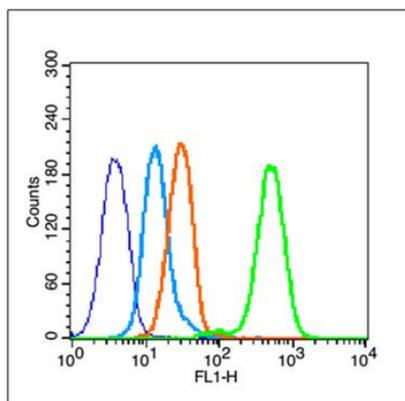
7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
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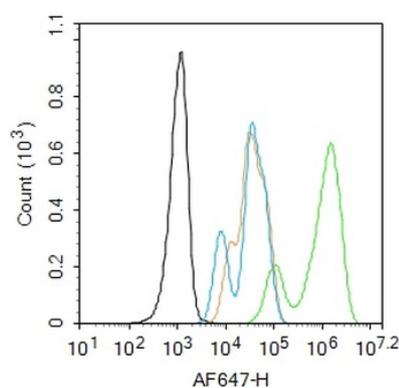
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Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
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**Dilution Range** IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=0.2µg /Test

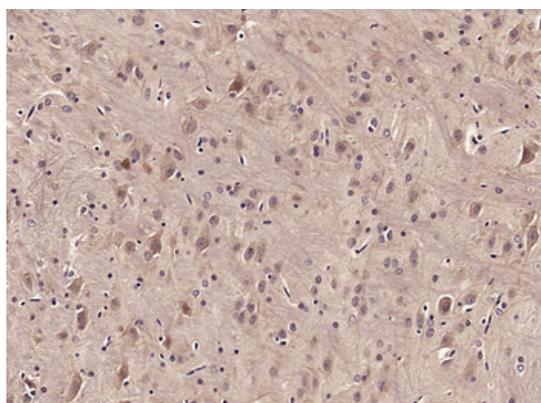
**Expiration Date** 12 months from date of receipt.



Blank control (blue line): MCF7 (fixed with 80% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-phospho-STAT3 (Ser727) antibody (orb7018), dilution: 0.2 µg/10<sup>6</sup> cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, dilution: 1 µg/Test.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-phospho-STAT3 (Ser727) antibody (orb7018), dilution: 1 µg/10<sup>6</sup> cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647, dilution: 1 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



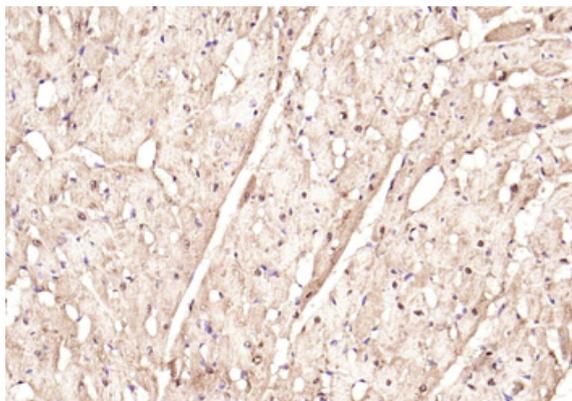
Paraformaldehyde-fixed, paraffin embedded (Rat brain), Antigen retrieval by microwave in sodium citrate buffer (pH6.0), Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (3% BSA) at RT for 30 min, Antibody incubation with (phospho-STAT3 (Ser727)) Polyclonal Antibody, Unconjugated (orb7018) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

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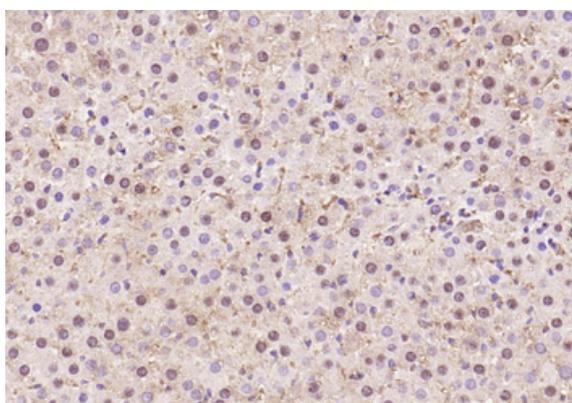
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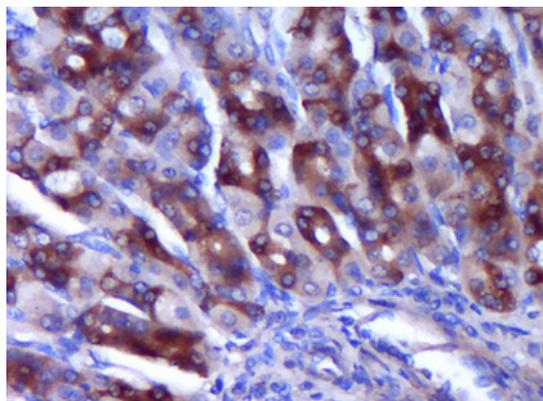
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Paraformaldehyde-fixed, paraffin embedded (rat heart), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (phospho-STAT3 (Ser727)) Polyclonal Antibody, Unconjugated (orb7018) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (phospho-STAT3 (Ser727)) Polyclonal Antibody, Unconjugated (orb7018) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat stomach), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (p-STAT3 (Ser727)) Polyclonal Antibody, Unconjugated (orb7018) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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