

## Product Datasheet

# Phospho-STAT3 (Tyr705) Rabbit Polyclonal Antibody (orb608174)

|                             |  |
|-----------------------------|--|
| <b>Catalog Number</b>       | orb608174  |
| <b>Category</b>             | Antibodies   |
| <b>Description</b>          | Phospho-STAT3 (Tyr705) Rabbit Polyclonal Antibody  |
| <b>Target</b>               | STAT3  |
| <b>Clonality</b>            | Polyclonal   |
| <b>Species/Host</b>         | Rabbit   |
| <b>Isotype</b>              | IgG  |
| <b>Conjugation</b>          | Unconjugated   |
| <b>Reactivity</b>           | Human, Mouse, Rat  |
| <b>Predicted Reactivity</b> | Bovine, Canine, Gallus, Guinea pig, Porcine, Rabbit, Rat, Sheep  |
| <b>Form/Appearance</b>      | Liquid   |
| <b>Concentration</b>        | 1mg/ml   |
| <b>Buffer/Preservatives</b> | 0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.   |
| <b>Purification</b>         | Affinity purified by Protein A   |
| <b>Immunogen</b>            | KLH conjugated Synthesised phosphopeptide derived from human STAT3 around the phosphorylation site of Tyr705 AP(p-Y)LK |
| <b>UniProt ID</b>           | <b>P40763</b>  |

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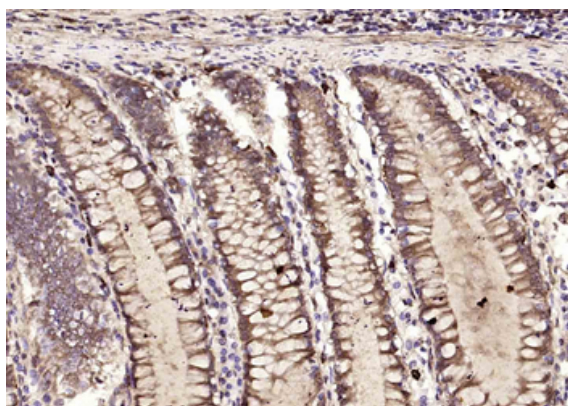
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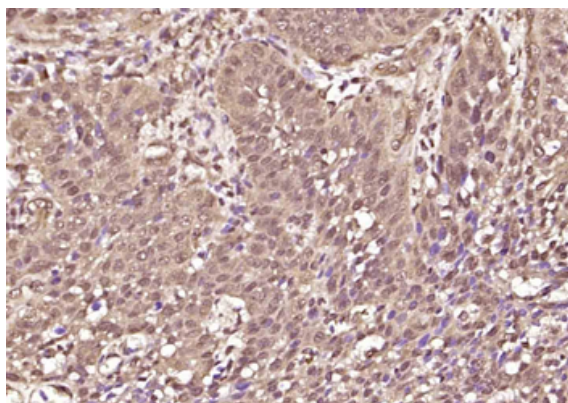
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|                            |   |
|----------------------------|---|
| <b>MW</b>                  | 85 kDa  |
| <b>Tested applications</b> | IF, IHC-Fr, IHC-P   |
| <b>Dilution range</b>      | IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500  |
| <b>Antibody Type</b>       | Primary Antibody  |
| <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>Expiration Date</b>     | 12 months from date of receipt.   |



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma), 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 (Tyr705)) Polyclonal Antibody, Unconjugated (orb608174) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human laryngeal carcinoma), 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 (Tyr705)) Polyclonal Antibody, Unconjugated (orb608174) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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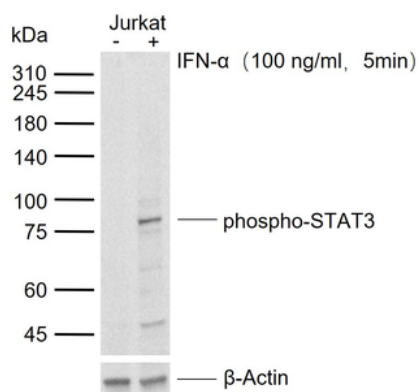
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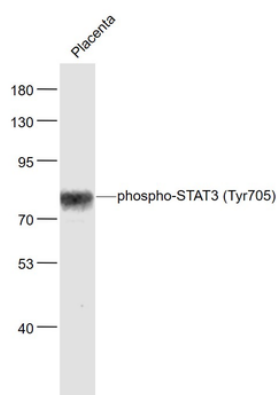
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Sample: Lane 1: Human Jurkat cell lysates, Lane 2: Jurkat treated with IFN- $\alpha$  (100 ng/ml, 5 min), Primary: Anti-phospho-STAT3 (Tyr705) (orb608174) at 1/500 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 85 kDa, Observed band size: 80 kDa.



Sample: Placenta (Mouse) Lysate at 40 ug, Primary: Anti-phospho-STAT3 (Tyr705) (orb608174) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 85 kD, Observed band size: 80 kD.

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