

## Product Datasheet

### STAT3 Mouse Monoclonal Antibody (orb500764)

<b>Catalog Number</b>	orb500764
<b>Category</b>	Antibodies
<b>Description</b>	STAT3 Mouse Monoclonal Antibody
<b>Target</b>	STAT3
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted Reactivity</b>	Bovine
<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 G
<b>Immunogen</b>	Recombinant human STAT3 Protein (9-265/770aa)
<b>UniProt ID</b>	<b>P40763</b>
<b>MW</b>	85 kDa
<b>Tested applications</b>	IF, IHC-Fr, IHC-P, WB

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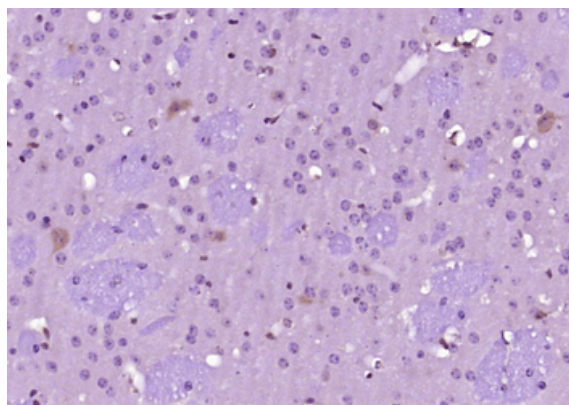
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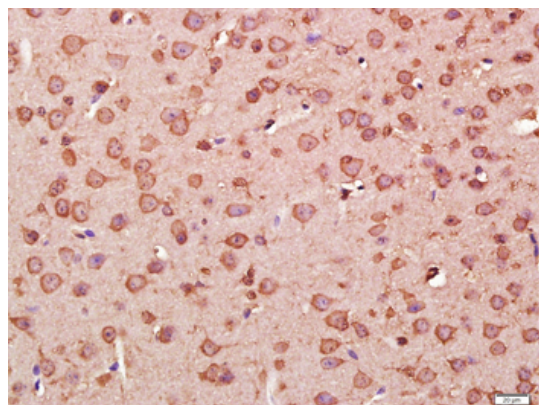
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<b>Dilution range</b>	WB=1:1000-5000, IHC-P=1:200-2000, IHC-F=1:200-2000, IF=1:200-2000
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	B5H7
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C 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 (mouse brain tissue), 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 (STAT3) Monoclonal Antibody, Unconjugated (ascites of orb500764) at 1:2000 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain), 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 (STAT3) Monoclonal Antibody, Unconjugated (orb500764) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

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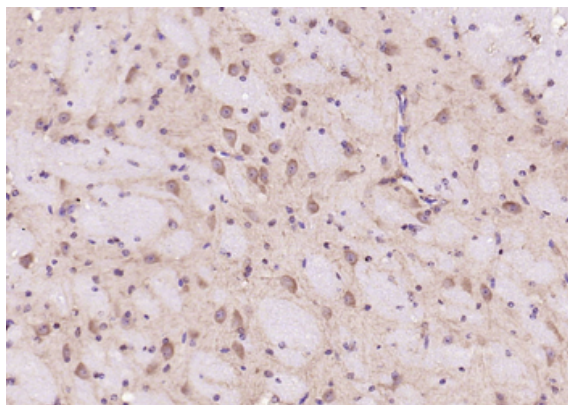
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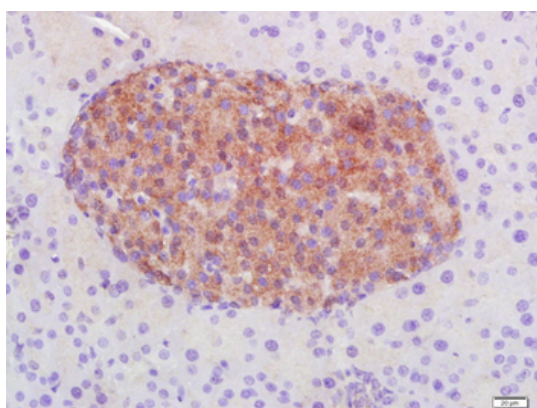
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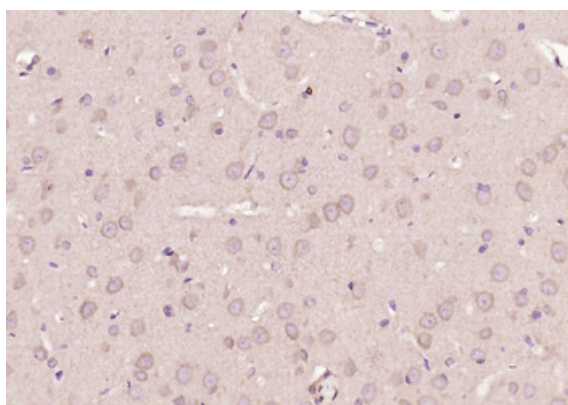
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Paraformaldehyde-fixed, paraffin embedded (mouse brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (STAT3) Polyclonal Antibody, Unconjugated (orb500764) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse pancreas), 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 (STAT3) Monoclonal Antibody, Unconjugated (orb500764) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain), 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 (STAT3) Polyclonal Antibody, Unconjugated (orb500764) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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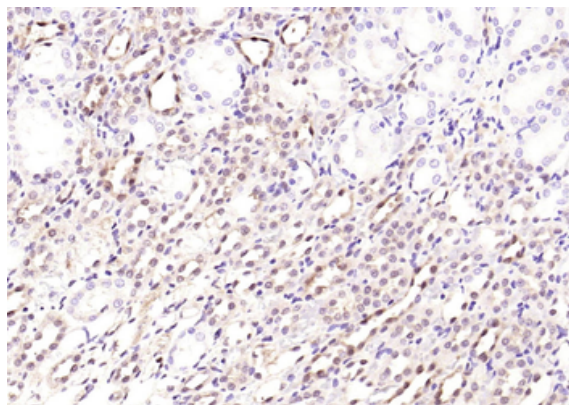
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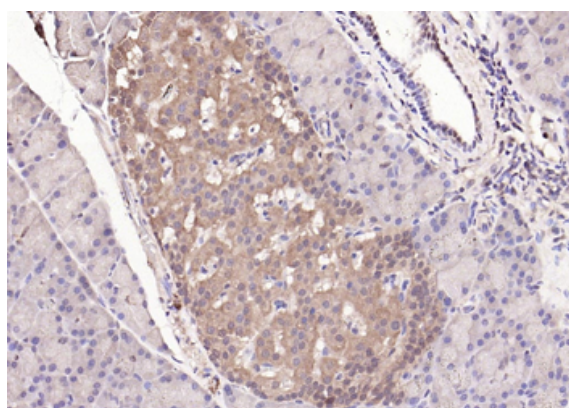
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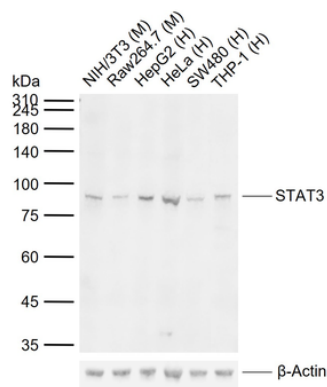
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Paraformaldehyde-fixed, paraffin embedded (rat kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (STAT3) Monoclonal Antibody, Unconjugated (ascites of orb500764 3F5) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas), 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 (STAT3) Polyclonal Antibody, Unconjugated (orb500764) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Sample: Lane 1: Mouse NIH/3T3 cell lysates, Lane 2: Mouse Raw264.7 cell lysates, Lane 3: Human HepG2 cell lysates, Lane 4: Human HeLa cell lysates, Lane 5: Human SW480 cell lysates, Lane 6: Human THP-1 cell lysates, Primary: Anti-STAT3 (orb500764) at 1/500 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 88 kDa, Observed band size: 88 kDa.

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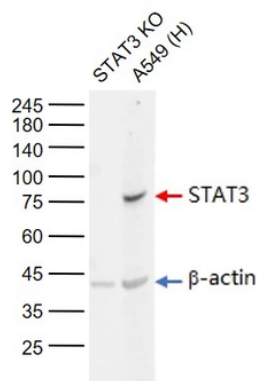
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Sample: Lane 1: STAT3 knockout (KO) A549 Cell Lysate, Lane 2: Human A549 Cell (Control) Lysate, Primary: Anti-STAT3 (orb500764) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 88 kD, Observed band size: 88 kD.

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