

Product Datasheet

Phospho-GSK-3 Beta (Ser21) Rabbit Polyclonal Antibody (orb5357)

Catalog Number	orb5357
Category	Antibodies
Description	Phospho-GSK-3 Beta (Ser21) Rabbit Polyclonal Antibody
Target	GSK3B
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Mouse, Rat
Predicted Reactivity	Bovine, Canine, Equine, Gallus, Guinea pig, Human, Porcine, Sheep
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human GSK-3 Beta around the phosphorylation site of Ser21 QP(p-S)AF
UniProt ID	P49841

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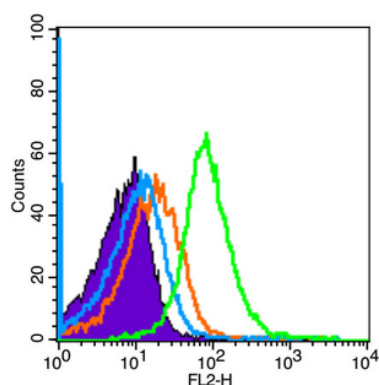
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RRID	AB_10924194
MW	47 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=3µg/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at 20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (Black line): Mouse spleen (Black). Primary Antibody (green line): Rabbit Anti-GSK-3 Beta (Ser21) antibody (orb5357), dilution: 3 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, 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 room temperature. The cells were then incubated in 5% BSA goat serum to block non-specific protein-protein interactions for 15 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.

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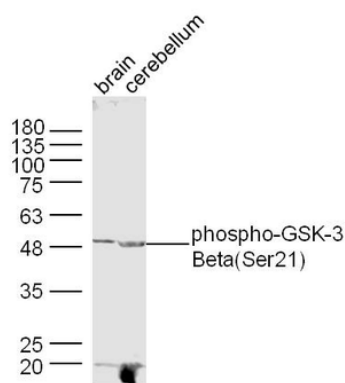
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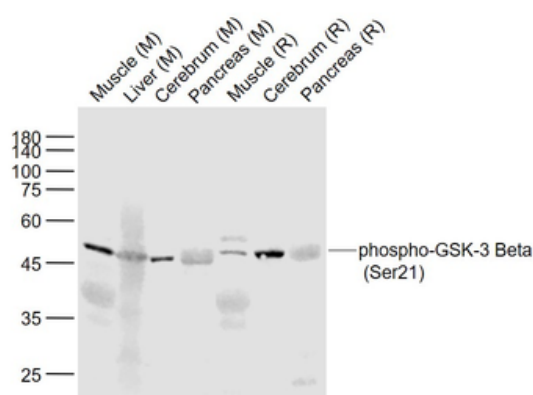
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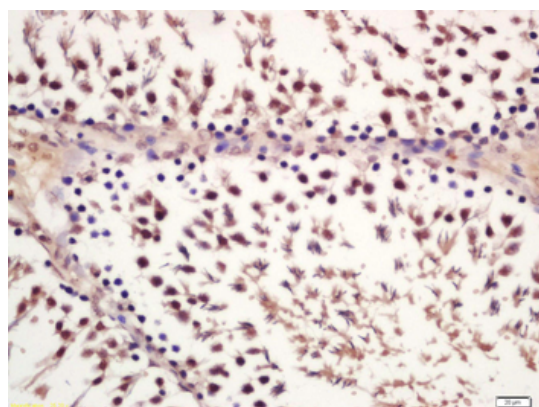
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Sample: Brain (Mouse) Lysate at 40 ug, Cerebellum (Mouse) Lysate at 40 ug, Primary: Anti-phospho-GSK-3 Beta (Ser21) (orb5357) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 47 kD, Observed band size: 49 kD.



Sample: Lane 1: Muscle (Mouse) Lysate at 40 ug, Lane 2: Liver (Mouse) Lysate at 40 ug, Lane 3: Cerebrum (Mouse) Lysate at 40 ug, Lane 4: Pancreas (Mouse) Lysate at 40 ug, Lane 5: Muscle (Rat) Lysate at 40 ug, Lane 6: Cerebrum (Rat) Lysate at 40 ug, Lane 7: Pancreas (Rat) Lysate at 40 ug, Primary: Anti-phospho-GSK-3 Beta (Ser21) (orb5357) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 47 kD, Observed band size: 47 kD.



Tissue/Cell: rat testis tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-phospho-GSK-3 Beta (Ser21) Polyclonal Antibody, Unconjugated (orb5357) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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