

Product Datasheet

Phospho-mTOR (Ser2481) Rabbit Polyclonal Antibody (orb6453)

Description	Phospho-mTOR (Ser2481) Rabbit Polyclonal Antibody
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	FC, ICC, IF, IHC-Fr, IHC-P, WB
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human mTOR around the phosphorylation site of Ser2481 IH(p-S)FI
Target	MTOR
Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Form/Appearance	Liquid
Concentration	1mg/ml
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
Isotype	IgG
Clonality	Polyclonal
MW	289 kDa
Uniprot ID	P42345

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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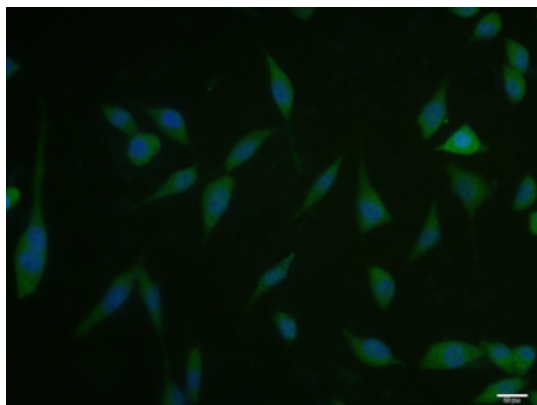
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Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Dilution Range

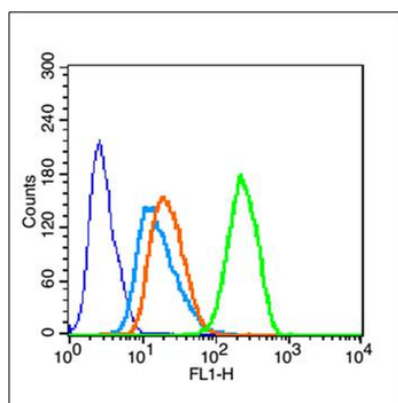
WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100, IF=1:100-500, Flow-Cyt=1µg /test

Expiration Date

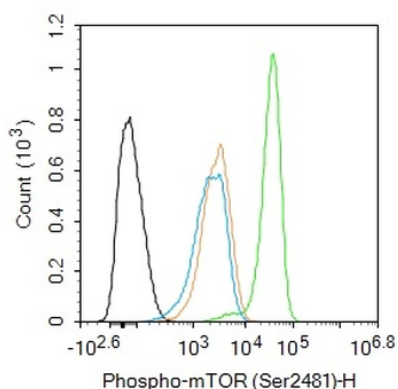
12 months from date of receipt.



A431 cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (Phospho-mTOR (Ser2481)) polyclonal Antibody, Unconjugated (orb6453) 1:100, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.



Blank control (blue line): Hela (fixed with 70% 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-mTOR (Ser2481) antibody (orb6453), dilution: 1 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, dilution: 1 µg/Test.



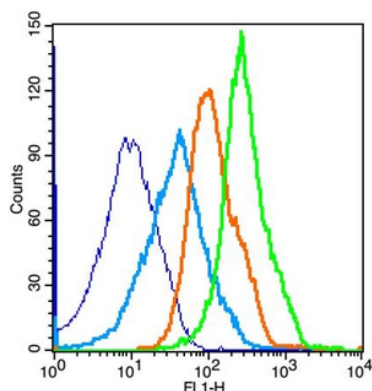
Blank control: A431. Primary Antibody (green line): Rabbit Anti-Phospho-mTOR (Ser2481) antibody (orb6453), dilution: 1 µg/Test, Secondary Antibody: Goat anti-rabbit IgG-AF488, dilution: 0.5 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% 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.

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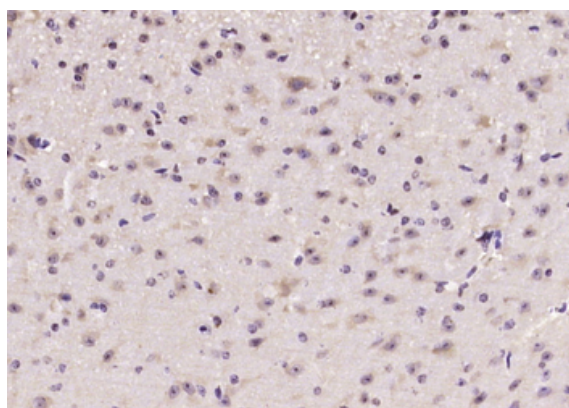
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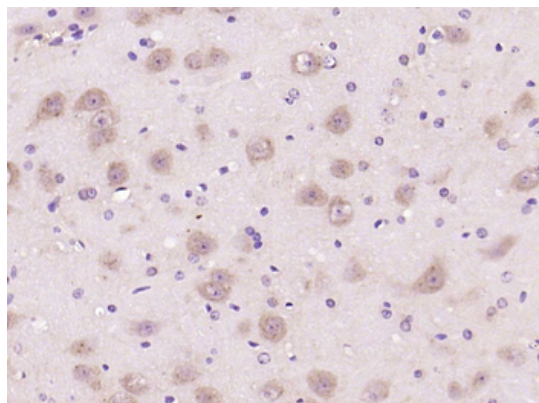
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Blank control: mouse splenocytes (blue), Isotype Control Antibody: Rabbit IgG (orange), Secondary Antibody: Goat anti-rabbit IgG-FITC (white blue), dilution: 1:100 in 1X PBS containing 0.5% BSA, Primary Antibody, dilution: 5 μ l in 100 μ l 1X PBS containing 0.5% BSA (green).



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 (Phospho-mTOR (Ser2481)) Polyclonal Antibody, Unconjugated (orb6453) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



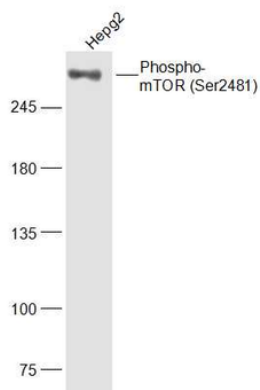
Paraformaldehyde-fixed, paraffin embedded (rat brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-mTOR (Ser2481)) Polyclonal Antibody, Unconjugated (orb6453) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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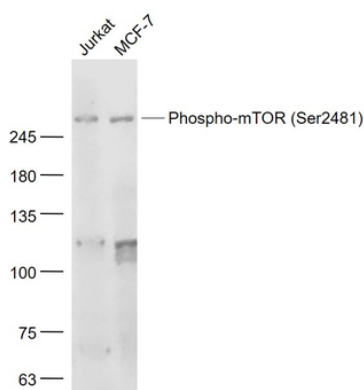
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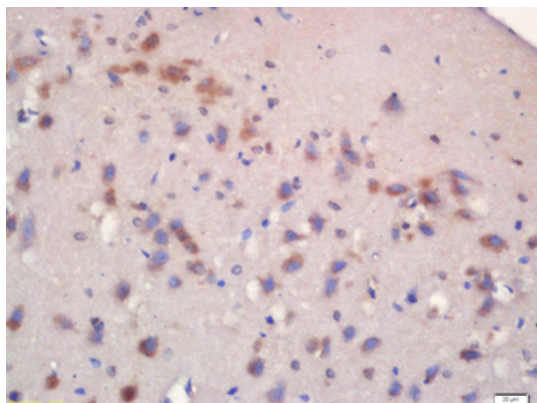
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Sample: Hepg2 (Human) Cell Lysate at 30 ug, Primary: Anti-Phospho-mTOR (Ser2481) (orb6453) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 289 kD, Observed band size: 289 kD.



Sample: Jurkat (Human) Cell Lysate at 30 ug, MCF-7 (Human) Cell Lysate at 30 ug, Primary: Anti-Phospho-mTOR (Ser2481) (orb6453) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 289 kD, Observed band size: 289 kD.



Tissue/Cell: rat brain tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), 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-mTOR (Ser2481) Polyclonal Antibody, Unconjugated (orb6453) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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