

## Product Datasheet

# Phospho-PI3 Kinase p110 beta (Ser1070) Rabbit Polyclonal Antibody (orb2298)

<b>Catalog Number</b>	orb2298
<b>Category</b>	Antibodies
<b>Description</b>	Phospho-PI3 Kinase p110 beta (Ser1070) Rabbit Polyclonal Antibody
<b>Target</b>	PIK3CB
<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, Equine, Gallus, Guinea pig, Porcine
<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 PI3 Kinase p110 beta around the phosphorylation site of Ser1070 YR(p-S)
<b>UniProt ID</b>	<b>P42338</b>

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

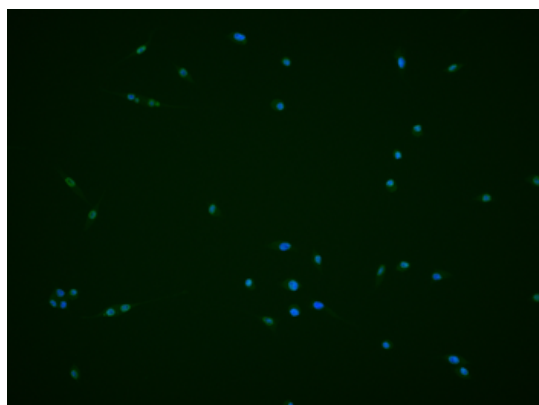
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NC 27713  
United States

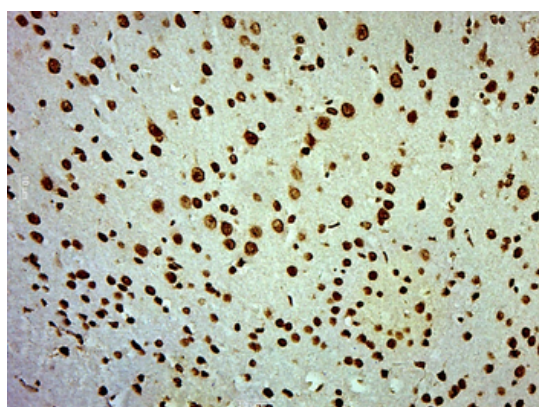
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

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<b>MW</b>	110-123 kDa
<b>Tested applications</b>	ICC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=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.



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-PI3 Kinase p110 beta (Ser1070)) polyclonal Antibody, Unconjugated (orb2298) 1:50, 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.



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 (phospho-PI3 Kinase p110 beta (Ser1070)) Polyclonal Antibody, Unconjugated (orb2298) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

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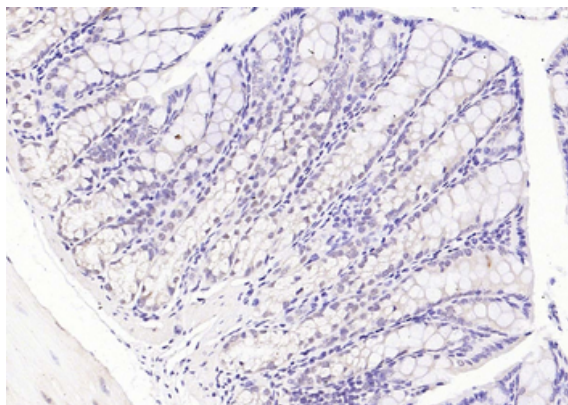
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Cambridge  
CB5 8LA  
United Kingdom

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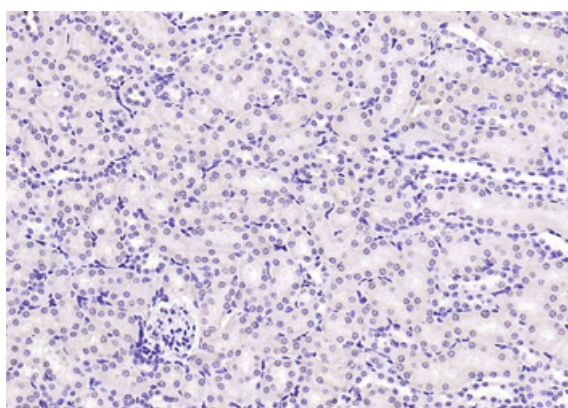
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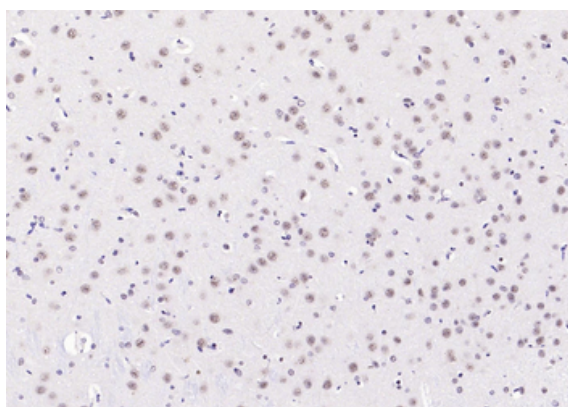
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Paraformaldehyde-fixed, paraffin embedded (mouse colon), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (phospho-PI3 Kinase p110 beta (Ser1070)) Polyclonal Antibody, Unconjugated (orb2298) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (phospho-PI3 Kinase p110 beta (Ser1070)) Polyclonal Antibody, Unconjugated (orb2298) 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-PI3 Kinase p110 beta (Ser1070)) Polyclonal Antibody, Unconjugated (orb2298) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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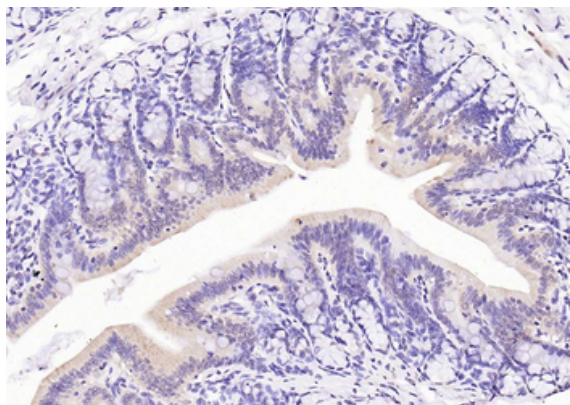
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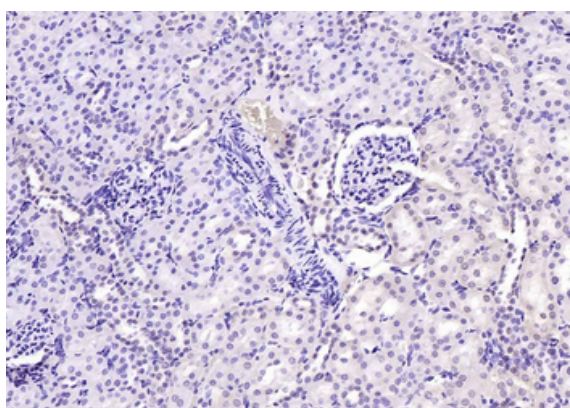
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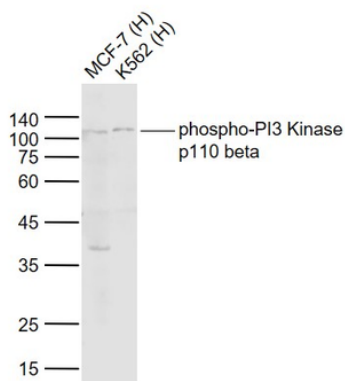
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Sample: Lane 1: Human MCF-7 cell lysates, Lane 2: Human K562 cell lysates, Primary: Anti-phospho-PI3 Kinase p110 beta (Ser1070) (orb2298) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 110-123 kD, Observed band size: 110 kD.

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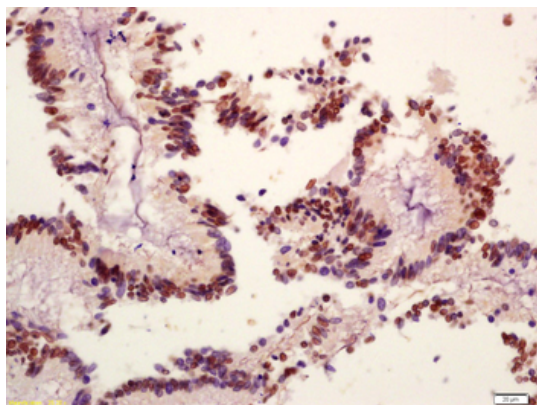
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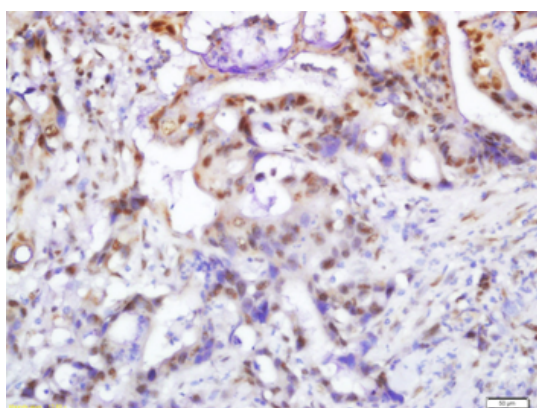
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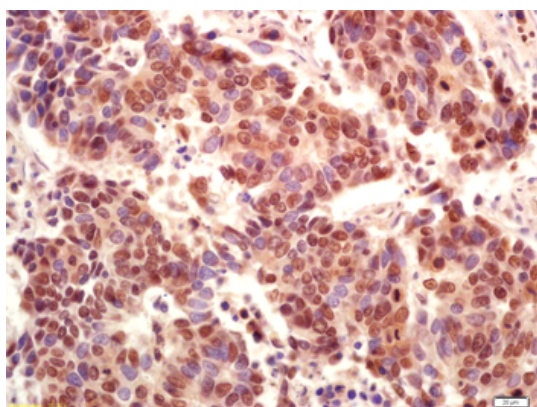
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Tissue/Cell: human colon carcinoma, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-phospho-PI3 Kinase p110 beta (Ser1070) Polyclonal Antibody, Unconjugated (orb2298) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



Tissue/Cell: human gastric carcinoma, 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-PI3 Kinase p110 beta (Ser1070) Polyclonal Antibody, Unconjugated (orb2298) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



Tissue/Cell: human lung carcinoma, 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-PI3 Kinase p110 beta (Ser1070) Polyclonal Antibody, Unconjugated (orb2298) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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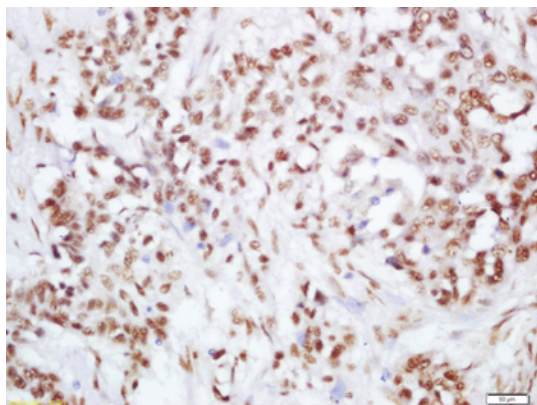
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