

## Product Datasheet

### PTEN Mouse Monoclonal Antibody (orb500349)

<b>Catalog Number</b>	orb500349
<b>Category</b>	Antibodies
<b>Description</b>	PTEN Mouse Monoclonal Antibody
<b>Target</b>	PTEN
<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>	Mouse
<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>	KLH conjugated synthetic peptide derived from human PTEN
<b>UniProt ID</b>	<b>P60484</b>
<b>MW</b>	44 kDa
<b>Tested applications</b>	ICC, IF, IHC-Fr, IHC-P

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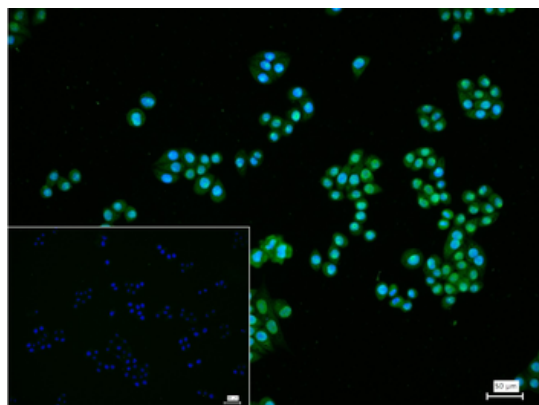
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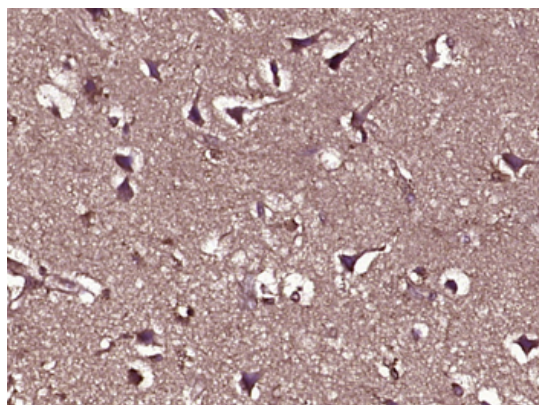
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<b>Dilution range</b>	IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100-200, IF=1:100-500
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	11F9
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C 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.



4% Paraformaldehyde-fixed MCF-7 (H) cell, Triton X-100 at r.t. for 20 min, Antibody incubation with (PTEN) monoclonal Antibody, unconjugated (orb500349) 1:200, 90 min at 37°C, followed by conjugated Goat Anti-Mouse IgG antibody (green, orb868805) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



Paraformaldehyde-fixed, paraffin embedded (human brain glioma), 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 (PTEN) Monoclonal Antibody, Unconjugated (orb500349) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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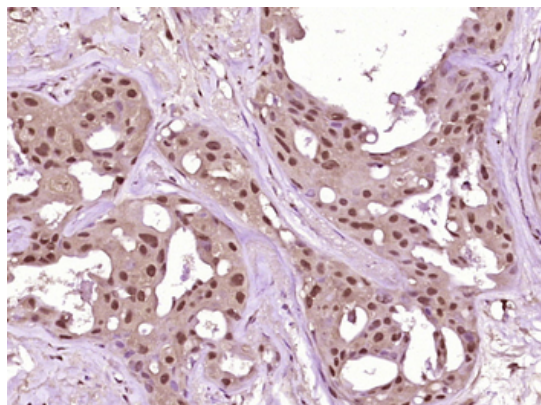
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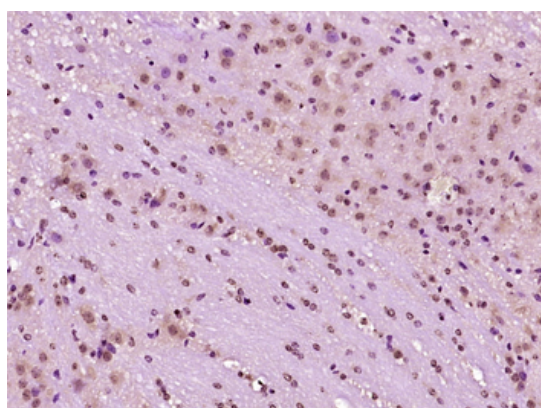
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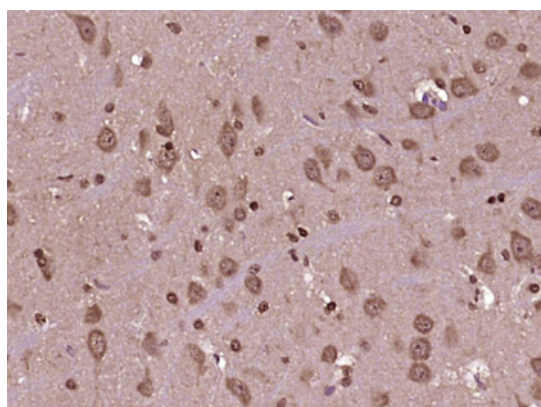
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Paraformaldehyde-fixed, paraffin embedded (Human breast cancer), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PTEN) Monoclonal Antibody, Unconjugated (ascites of orb500349 11F9) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions 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 (PTEN) Monoclonal Antibody, Unconjugated (ascites of orb500349 11F9) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat 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 (PTEN) Monoclonal Antibody, Unconjugated (orb500349) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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