

## Product Datasheet

### Caspase-9 Rabbit Polyclonal Antibody (orb500803)

<b>Catalog Number</b>	orb500803
<b>Category</b>	Antibodies
<b>Description</b>	Caspase-9 Rabbit Polyclonal Antibody
<b>Target</b>	CASP9
<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, Porcine, Rabbit, Sheep
<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 synthetic peptide derived from human Caspase-9 (231-330/416aa)
<b>UniProt ID</b>	<b>P55211</b>
<b>MW</b>	35/50 kDa

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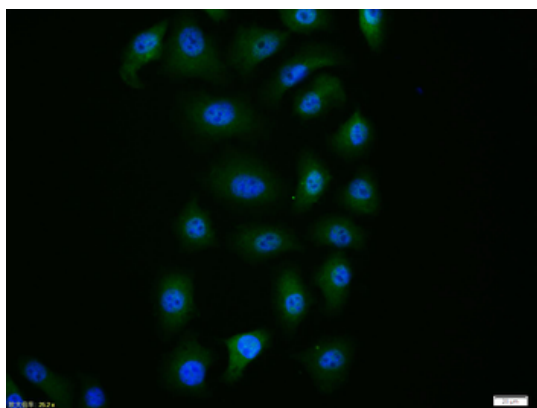
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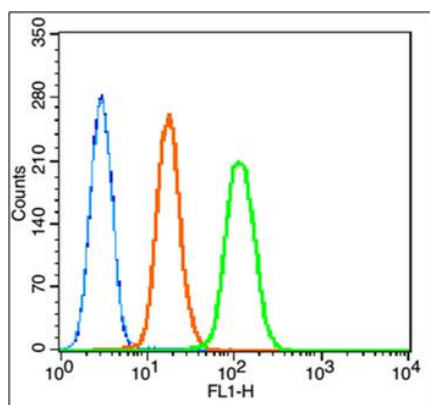
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<b>Tested applications</b>	FC, ICC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100-500, IF=1:100-500, Flow-Cyt=1ug/Test
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated 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.



HepG2 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 (Caspase-9) polyclonal Antibody, Unconjugated (orb500803) 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.



Overlay histogram showing HeLa cells (1 ug/1x10<sup>6</sup> cells) stained with orb500803 (Green line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.01M PBS-Tween for 20 min. The cells were then incubated in 1x PBS/10% normal goat serum to block non-specific protein-protein interactions followed by the antibody for 30 min at 22°C. The secondary antibody used was fluorescein isothiocyanate goat anti-rabbit IgG (H+L) (orb868805, Brilliant blue line) at 1/200 dilution for 30 min at 22°C. Isotype control antibody was rabbit IgG (polyclonal, Orange line) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of 20000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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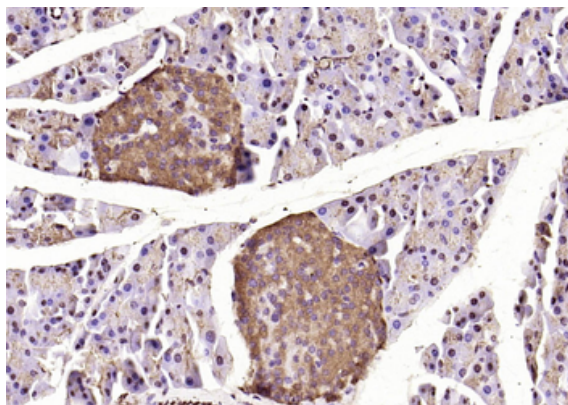
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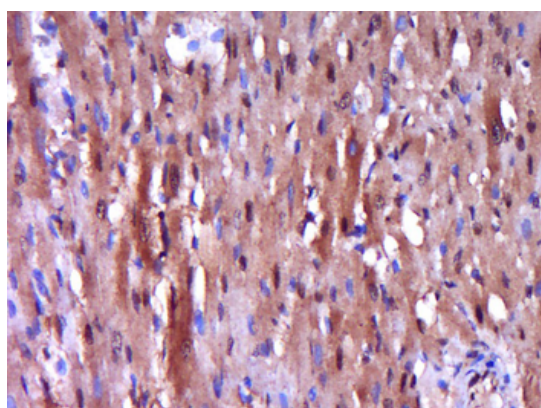
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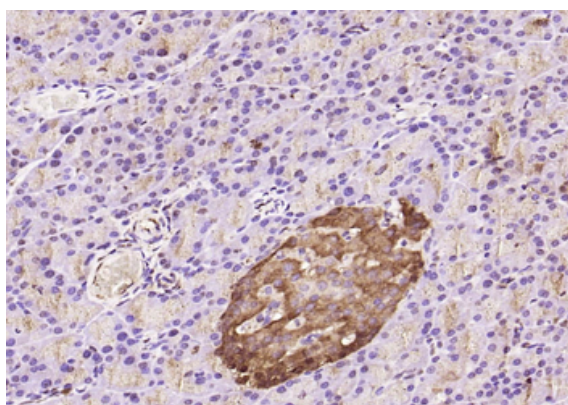
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Paraformaldehyde-fixed, paraffin embedded (mouse pancreas), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Caspase-9) Polyclonal Antibody, Unconjugated (orb500803) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat heart), 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 (Caspase-9) Polyclonal Antibody, Unconjugated (orb500803) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) 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 (Caspase-9) Polyclonal Antibody, Unconjugated (orb500803) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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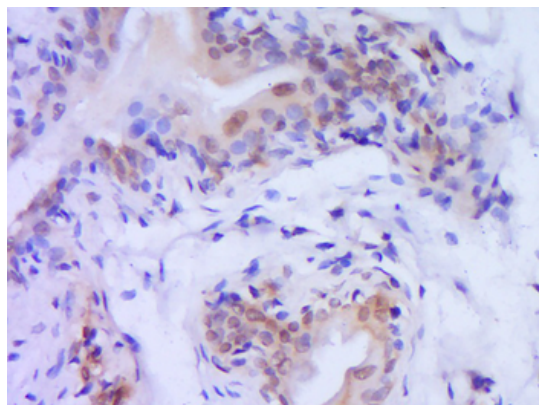
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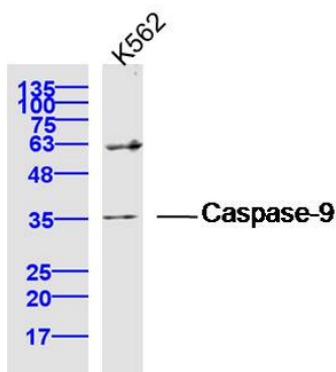
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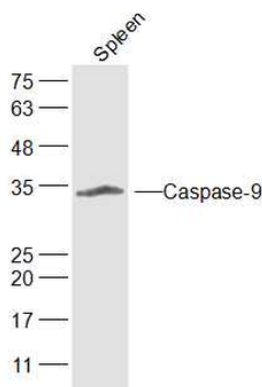
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Paraformaldehyde-fixed, paraffin embedded (Rat urinary bladder), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Caspase-9) Polyclonal Antibody, Unconjugated (orb500803) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: K562 Cell (Human) Lysate at 40 ug, Primary: Anti-Caspase-9 (orb500803) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 35/50 kD, Observed band size: 35 kD.



Sample: Spleen (Mouse) Lysate at 40 ug, Primary: Anti-Caspase-9 (orb500803) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 35/50 kD, Observed band size: 35 kD.

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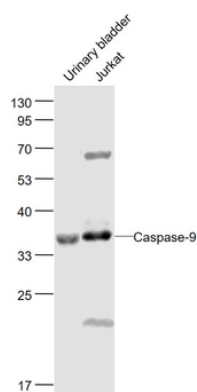
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Sample: Urinary bladder (Mouse) Lysate at 40 ug, Jurkat (Human) Cell Lysate at 30 ug, Primary: Anti-Caspase-9 (orb500803) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 46-51'35'37 kD, Observed band size: 35 kD.

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