

## Product Datasheet

# Caspase-1 p20 Rabbit Polyclonal Antibody (orb317579)

<b>Catalog Number</b>	orb317579
<b>Category</b>	Antibodies
<b>Description</b>	Caspase-1 p20 Rabbit Polyclonal Antibody
<b>Target</b>	CASP1
<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>	Human, Rat
<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 mouse Caspase-1 p20 (181-280/402aa)
<b>UniProt ID</b>	<b>P29452</b>

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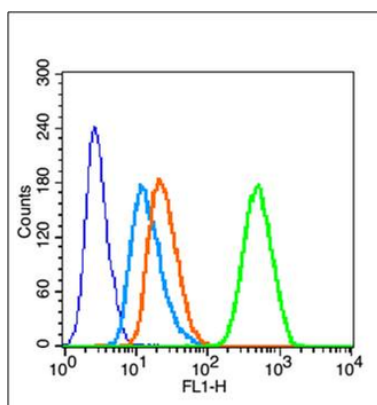
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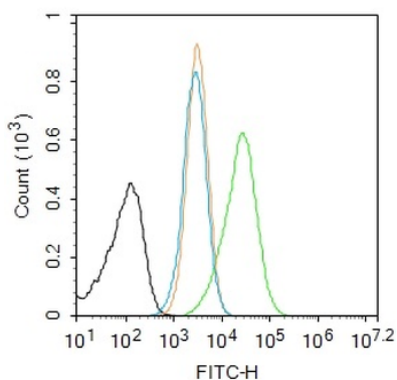
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<b>MW</b>	45-47 kDa
<b>Tested applications</b>	FC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1µg/Test
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated 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.



Blank control (blue line): MCF7 (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-Caspase-1 p20 antibody (orb317579), dilution: 1 µg/10<sup>6</sup> cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC.



Blank control: HL-60. Primary Antibody (green line): Rabbit Anti-Caspase-1 p20 antibody (orb317579), dilution: 1 µg/10<sup>6</sup> cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF488, dilution: 1 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. 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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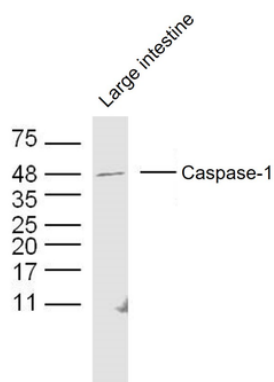
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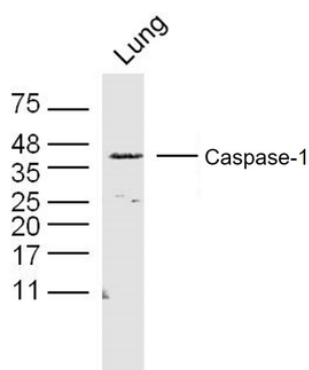
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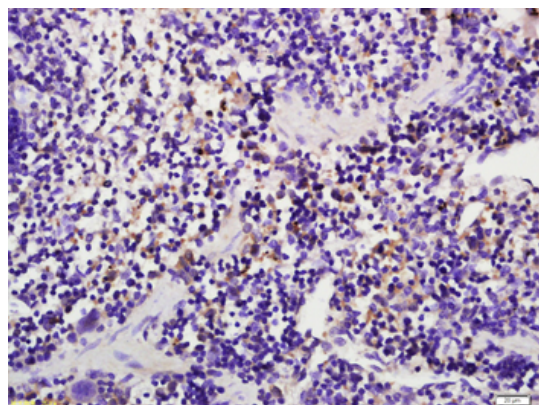
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Sample: large intestine (rat) Lysate at 40 ug, Primary: Anti-Caspase-1 p20 (orb317579) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 20/46kD, Observed band size: 46kD.



Sample: lung (rat) Lysate at 40 ug, Primary: Anti-Caspase-1 p20 (orb317579) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 20/46kD, Observed band size: 46kD.



Tissue/Cell: Mouse spleen 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-Caspase-1 p20 Polyclonal Antibody, Unconjugated (orb317579) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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