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**Product Name: Caspase-1 Rabbit Monoclonal Antibody****Catalog #: AMRe84656**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 45 kDa ; Observed MW: 45,42,35,12,10 kDa

**Antigen Information**

<b>Gene Name</b>	Caspase-1
<b>Alternative Names</b>	CASP-1; ICE; IL-1 beta converting enzyme; IL-1BC; IL1BCE; caspase-1;;Caspase 1
<b>Gene ID</b>	
<b>SwissProt ID</b>	P29466
<b>Immunogen</b>	A synthesized peptide derived from human Caspase 1

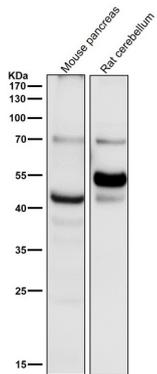
**Background**

Thiol protease that cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes. Important for defense against pathogens. Cleaves and activates sterol regulatory element binding

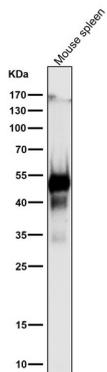
proteins (SREBPs). Can also promote apoptosis.

## Research Area

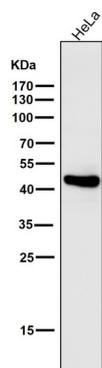
## Image Data



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

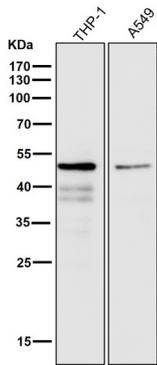


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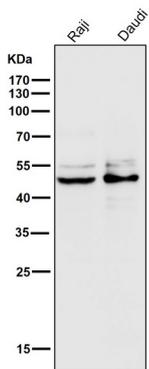


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Western blot analysis of Caspase-1 expression in NIH/3T3 cell lysate.

