

## Rabbit Polyclonal Antibody to Human Caspase 1/ Interleukin-1 $\beta$ Converting Enzyme

<b>Catalog No.:</b>	RP 064, RP 064-05
<b>Applications:</b>	Research Use Only. Optimal working conditions must be determined by the end user.
<b>Immunogen:</b>	A synthetic peptide from the second quarter of human Caspase 1 protein.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against human Caspase 1 containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed,. <u>High temperature treatment of formalin-fixed tissue sections with 10mM citrate buffer, pH 6.0 must be performed prior to the immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a 45 kD protein, Caspase 1, and is expressed as a proenzyme in many tissues. Active Caspase 1 is a tetramer of two subunits p10 and p20 in 2:2 ratio. Overexpression of Caspase 1 can induce apoptosis in fibroblast, which can be inhibited by Overexpression of Crm A, a protein from pox virus. This antibody cross reacts with human, mouse, and rat.
<b>Positive Control:</b>	Placenta
<b>Cellular Localization:</b>	Nuclear, cell membrane
<b>Other Applications:</b>	Western Blotting
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Enari et al. Nature 375: 78, 1995. ii) Walker et al. Cell 78: 343, 1994.

### RUO: Research Use Only

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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