

DP064**Polyclonal Antibody to Caspase-1 - Purified****Alternate names:**

CASP-1, CASP1, ICE, IL1BC, IL1BCE, Interleukin-1 beta convertase, Interleukin-1 beta-converting enzyme, p45

Quantity:

1 ml

Background:

Caspase 1 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.

Uniprot ID:

[P29466](#)

NCBI:

[NP_001214.1](#)

GeneID:

[834](#)

Host:

Rabbit

Immunogen:

A synthetic peptide from the second quarter of human Caspase 1 protein.

Format:

State: Liquid purified immunoglobulin fraction containing sodium azide as preservative.

Applications:

Immunohistochemistry on paraffin embedded sections.

This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. We suggest an incubation period of 30 minutes at room temperature. High temperature treatment of formalin-fixed, paraffin embedded tissue sections with 10mM citrate buffer, pH 6.0 must be performed prior to the immunostaining.

Positive Control: Placenta.

Western Blot.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts with a 45 kD protein, Caspase 1.

Cellular Localization: Nuclear, cell membrane.

Species: Human, mouse and rat.

Other species not tested.

Storage:

Store the antibody at 2-8°C.

Shelf life: one year from despatch.

General Readings:

Enari et al. Nature 375: 78, 1995.

Walker et al. Cell 78: 343, 1994.

Pictures:

Formalin fixed paraffin embedded human placenta stained with Caspase 1 antibody.

