



Product Information Sheet

Polyclonal Anti-Caspase 2 (Magnetic Bead Conjugate)

Catalogue No. PA1113-M	Immunogen A synthetic peptide mapping at the C-terminal of human Caspase 2, identical to the related rat sequence.
Lot No. 08J01	
Ig type: rabbit IgG1	Purification Immunogen affinity purified
Size: 100µg/Vial	Contents Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ .
Specificity Human, rat, mouse. No cross reactivity with other proteins.	Storage Store at 4°C for frequent use.
Recommended application <i>Immunoprecipitation(IP)</i>	Description: This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Caspase-2, which is involved in stress-induced apoptosis, is recruited into a large protein complex, the molecular composition of which remains elusive. activation of caspase-2 occurs in a complex that contains the death domain-containing protein PIDD, whose expression is induced by p53, and the adaptor protein RAIDD. Increased PIDD expression resulted in spontaneous activation of caspase-2 and sensitization to apoptosis by genotoxic stimuli. Caspase-2 acts both as a positive and negative cell death effector, depending upon cell lineage and stage of development.

REFERENCE

1. Bergeron, L.; Perez, G. I.; Macdonald, G.; Shi, L.; Sun, Y.; Jurisicova, A.; Varmuza, S.; Latham, K. E.; Flaws, J. A.; Salter, J. C. M.; Hara, H.; Moskowitz, M. A.; Li, E.; Greenberg, A.; Tilly, J. L.; Yuan, J. : Defects in regulation of apoptosis in caspase-2-deficient mice. *Genes Dev.* 12: 1304-1314, 1998.
2. Tinel, A.; Tschopp, J. : The PIDDosome, a protein complex implicated in activation of caspase-2 in response to genotoxic stress. *Science* 304: 843-846, 2004.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com