

Anti-Caspase-13/ERICE

CATALOG No.: PX039A

SIZE: 100 µg

PX039B

SIZE: 0.5 mg

BACKGROUND:

Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death is finally caused by members of the caspase family of proteases and caspase activated DNases. A novel member in the caspase family was recently identified and designated ERICE (for Evolutionarily Related Interleukin-1 β Converting Enzyme) and caspase-13 (1). Caspase-13 belongs to the ICE subfamily of caspases. Overexpression of caspase-13 induces apoptosis. Caspase-13 was activated by caspase-8, which is a key enzyme in death receptor induced apoptosis. Caspase-13 is expressed in a variety of human tissues and cell lines (1).

SOURCE:

Rabbit anti-caspase-13 polyclonal antibody was raised against a peptide corresponding to amino acids 91 to 105 of human Acaspase-13 (1).

APPLICATION:

This polyclonal antibody can be used for detection of AIF by Western blot at 0.5 to 1 µg/ml. HL60 cell lysate can be used as positive control and a 43 kDa band should be detected. It is human, mouse and rat reactive. For research use only.

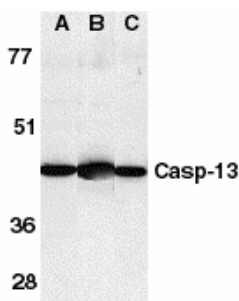
STORAGE:

It is supplied as ion exchange chromatography purified IgG, 100 µg in 200 µl of PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.

RELATED PRODUCTS:

Blocking peptide, 50 µg at 200 µg/ml, is available for competition studies.

HL60 cell lysate, 200 µg at 2 mg/ml, is available for positive control.



Western blot analysis of casp-13 in human HL60 cell lysate (A), mouse brain (B) and rat brain (C) tissue lysates with anti-casp-13 at 1 µg/ml.

REFERENCES:

1. Humke EW, Ni J, Dixit VM. ERICE, a novel FLICE-activatable caspase. *J Biol Chem* 1998;273:15702-7

CAUTION: NOT FOR USE IN HUMANS. FOR RESEARCH PURPOSES ONLY.



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