

Caspase-13 (ERICE) (Evolutionary Rel ICE). Rabbit Polyclonal Antibody , Human, Mouse, Rat

ERICE

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 is 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).

ORDERING INFORMATION

CATALOG NUMBER
X1116P

SIZE
100 μ g

FORM
Unconjugated

HOST/CLONE
Rabbit

FORMULATION
Provided in phosphate buffered saline solution containing 0.02% sodium azide as a preservative

CONCENTRATION
0.5 mg/ml

ISOTYPE
IgG

APPLICATIONS
Western Blot

IMMUNOGEN

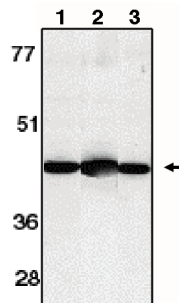
Synthetic peptide corresponding to amino acids 91 to 105 of human caspase-13

SPECIES REACTIVITY

Human, Mouse, Rat

Legend:

Western blot analysis using anti-Caspase-13 (CT) antibody at 1 μ g/ml on human HL60 cell lysate (1) and mouse (2) and rat (3) brain tissue lysate.



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POSITIVE CONTROL/TISSUE EXPRESSION

HL60 cell lysate

COMMENTS

Detects caspase-13 at 0.5 to 1 $\mu\text{g/ml}$ by Western blot. Detects a 43 kDa band in HL60 cell lysate. Optimal concentration should be evaluated by serial dilutions.

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C . Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Humke, E.W., et al., "ERICE, a novel FLICE-activatable caspase." J. Biol. Chem. 1998, 273, 15702-15707

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