

Rabbit Anti-Caspase-13 + 4 antibody

SL0053R

Product Name Caspase-13 + 4

Chinese Name 半胱氨酸蛋白酶蛋白-13 抗体

Alias CASP-13; CASP4; Caspase 13 subunit 1; Caspase 13 subunit 2; Caspase 4; Caspase 4 subunit 1; Caspase 4, apoptosis related cysteine; CASPD_BOVIN; Caspase-13; Evolutionary related interleukin-1-beta-converting enzyme; ERICE.

Research Area Cell biology Apoptosis

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Cow,)

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 43kDa

Cellular localization cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from bovine Caspase-13: 71-130/377

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Caspase-13 (also designated Evolutionarily related interleukin-1beta converting enzyme ; ERICE) involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival. [subunit] Heterodimer of a small and a large subunit. The two subunits are derived from the precursor sequence by an autocatalytic mechanism or by cleavage by Caspase-8. Mainly expressed in peripheral blood lymphocytes, spleen and placenta. Belongs to peptidase family C14.

Function:

Involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival.

Subunit:

Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a small and a large subunit.

Tissue Specificity:

Mainly expressed in peripheral blood lymphocytes, spleen and placenta.

Similarity:

Belongs to the peptidase C14A family.
Contains 1 CARD domain.

**Product
Detail**

SWISS:

O75601

Gene ID:

338039

Database links:

[SwissProt: O75601](#) Bovine

[SwissProt: Q5E9C1](#) Bovine

[Entrez Gene: 338039](#) Bovine

Caspase-13 (也称 Evolutionarily related interleukin-1beta converting enzyme; ERICE) 参与活化 Caspase 级联反应, 实施调亡。

它既能激活某些蛋白质,细胞死亡所必需的蛋白质; 又能使某些蛋白质失活以使细胞能够存活。它的异原二聚体构成大、小两种亚单位, 这两种亚单位来源于前体序列由一



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个自动催化机制而形成或由 Caspase-8 剪切而成。

Caspase-13 主要表达于外周 lymphocyte、脾脏和胎盘。属于肽酶家族 C14 成员。