



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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:

O75601

Gene ID:

338039

Database links:

[Entrez Gene: 338039](#) Cow

Important Note:

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

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。