
Product Name: Caspase12 Rabbit Polyclonal Antibody**Catalog #: APRab07964**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	50kDa

Antigen Information

Gene Name	CASP12
Alternative Names	CASP12; Inactive caspase-12; CASP-12
Gene ID	120329.0
SwissProt ID	Q6UXS9
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase12. AA range:50-99

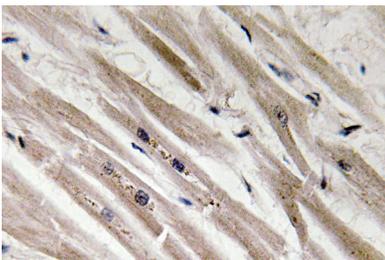
Background

Caspases are cysteine proteases that cleave C-terminal aspartic acid residues on their substrate molecules. This gene is most

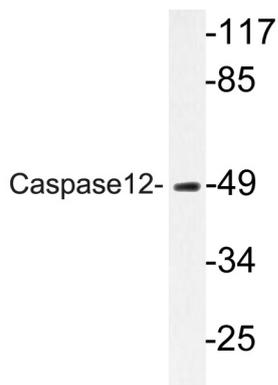
highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response to endoplasmic reticulum stress. However, in humans this gene contains a polymorphism for the presence or absence of a premature stop codon. The majority of human individuals have the premature stop codon and produce a truncated non-functional protein. The read-through codon occurs primarily in individuals of African descent and carriers have endotoxin hypo-responsiveness and an increased susceptibility to severe sepsis. Several alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Feb 2011],proteolysis,apoptosis,virus-infected cell apoptosis,ER-nuclear signaling pathway,response to unfolded protein,cell death,response to organic substance,regulation of cell death,programmed cell death,death,endoplasmic reticulum unfolded protein response,cellular response to stress,cellular response to unfolded protein,response to endoplasmic reticulum stress,regulation of apoptosis,regulation of programmed cell death,response to protein stimulus,apoptosis in response to endoplasmic reticulum stress,

Research Area

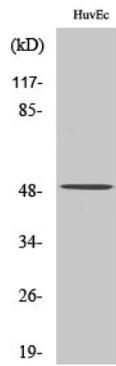
Image Data



Immunohistochemistry analysis of Caspase12 antibody in paraffin-embedded human heart tissue.



Western blot analysis of lysate from HUVEC cells, using Caspase12 antibody.



Western Blot analysis of various cells using Caspase12 Polyclonal Antibody diluted at 1: 500