



Caspase12 rabbit pAb

Cat No.:ES1852

For research use only

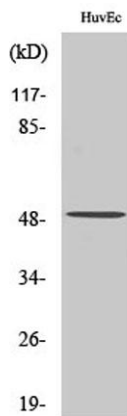
Overview

Product Name	Caspase12 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase12. AA range:50-99
Specificity	Caspase12 Polyclonal Antibody detects endogenous levels of Caspase12 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	caspase12
Gene Name	CASP12
Cellular localization	endoplasmic reticulum,IPAF inflammasome complex,NLRP3 inflammasome complex,AIM2 inflammasome complex,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	50kD
Human Gene ID	120329
Human Swiss-Prot Number	Q6UXS9
Alternative Names	CASP12; Inactive caspase-12; CASP-12
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



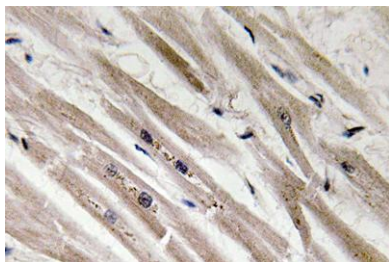


process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response to endoplasmic reticulum stress. However, in humans this gene contains a polymorphism for the presence or absence of a premature stop codon. The majority of human individuals have the premature stop codon 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],



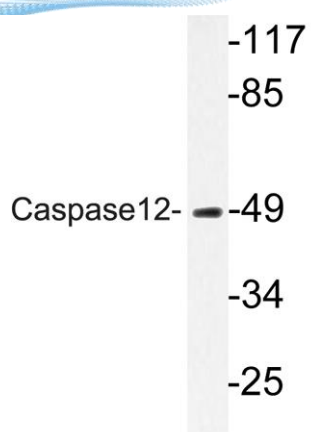
Western Blot analysis of various cells using Caspase12 Polyclonal Antibody diluted at 1:500

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





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



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