

Caspase12 Polyclonal Antibody

Catalog No :	YT0654
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	Caspase-12
Fields :	>>Protein processing in endoplasmic reticulum;>>Apoptosis;>>NOD-like receptor signaling pathway;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Hepatitis B
Gene Name :	CASP12
Protein Name :	caspase12
Human Gene Id :	120329
Human Swiss Prot No :	Q6UXS9
Mouse Swiss Prot No :	O08736
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 50kD

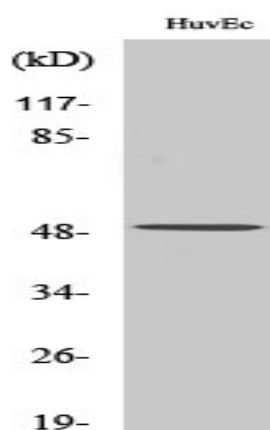
Background : Caspases are cysteine proteases that cleave C-terminal aspartic acid residues on their substrate molecules. This gene is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response 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],

Function : 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,

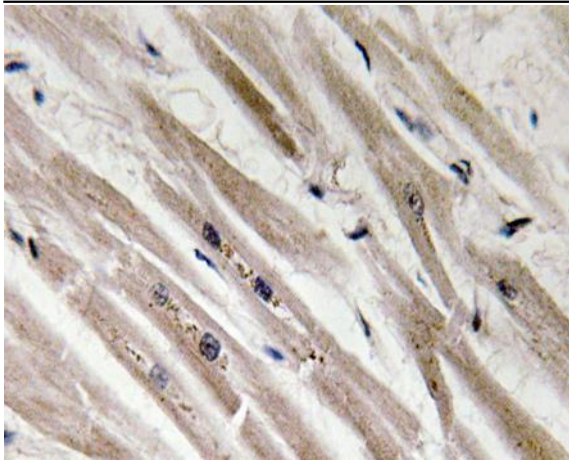
Subcellular Location : endoplasmic reticulum,IPAF inflammasome complex,NLRP3 inflammasome complex,AIM2 inflammasome complex,

Expression : Detected in heart, kidney, liver, lung, pancreas, small intestine, spleen, stomach, thymus and testis.

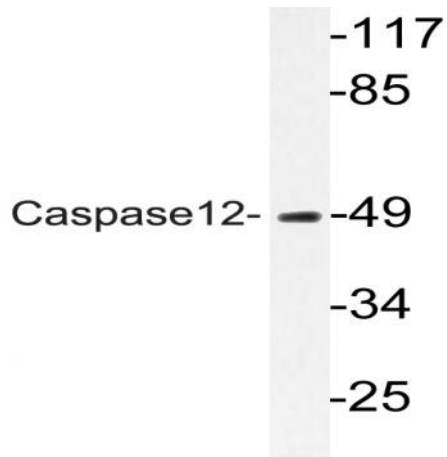
Products Images



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.



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