

Anti-Caspase-12 Antibody

Catalog # ABO11409

Product Information

Application	WB, IHC-P
Primary Accession	Q6UXS9
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Inactive caspase-12(CASP12) detection. Tested with WB, IHC-P in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	100506742
Other Names	Inactive caspase-12, CASP-12, CASP12
Calculated MW	38907
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Tissue Specificity	Detected in heart, kidney, liver, lung, pancreas, small intestine, spleen, stomach, thymus and testis. .
Source	Eukaryota
Protein Name	Inactive caspase-12
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Caspase-12(71-84aa KIFREHLWNSKKQL).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	CASP12
Function	May function as a negative regulator of inflammatory responses and innate immunity. May reduce cytokine release in response to bacterial lipopolysaccharide during infection. Reduces activation of NF-kappa-B in response to TNF (PubMed: 15129283). May lack protease activity (Probable).
Tissue Location	Widely expressed, with highest levels in lung.

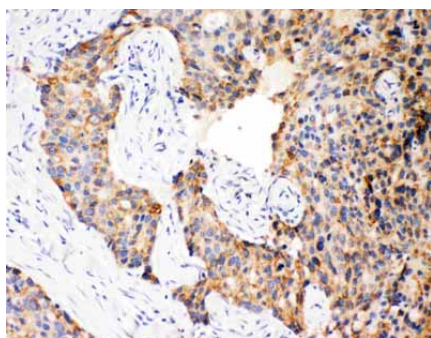
Background

Caspase 12 is an enzyme known as a cysteine protease. It belongs to a family of enzymes called caspases that cleave their substrates at C-terminal aspartic acid residues. The CASP12 gene was mapped to chromosome 11q22.3. Csp12L attenuates the inflammatory and innate immune response to endotoxins and in doing so may constitute a risk factor for developing sepsis. The estrogen-mediated inhibition of CSP12L expression is a built-in mechanism that has evolved to protect females from infection by favoring a more robust inflammatory response to pathogens, perhaps notably in childbirth.

Images

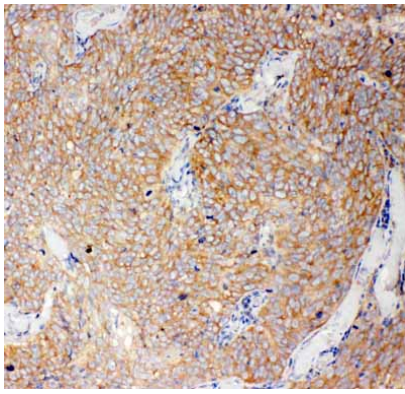


Anti-Caspase-12 antibody, ABO11409, Western blottingAll lanes: Anti Caspase-12 (ABO11409) at 0.5ug/mlLane 1: PANC Whole Cell Lysate at 40ugLane 2: SMMC Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD



Anti-Caspase-12 antibody, ABO11409, IHC(P)IHC(P): Human Mammary Cancer Tissue

Anti-Caspase-12 antibody, ABO11409, IHC(P)IHC(P): Human Lung Cancer Tissue



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.