

**CASP12 / Caspase 12 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12963**

**Specification**

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**CASP12 / Caspase 12 Antibody - Product Information**

Application	IF, IHC
Primary Accession	<a href="#">Q6UXS9</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

**CASP12 / Caspase 12 Antibody - Additional Information**

**Gene ID** 100506742

**Other Names**

Inactive caspase-12, CASP-12, CASP12

**Target/Specificity**

synthetic peptide corresponding to amino acids within the large cleavage product of murine caspase-12

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

CASP12 / Caspase 12 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CASP12 / Caspase 12 Antibody - 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: <http://www.uniprot.org/citations/15129283> target="\_blank">15129283</a>). May lack protease activity (Probable).

**Tissue Location**

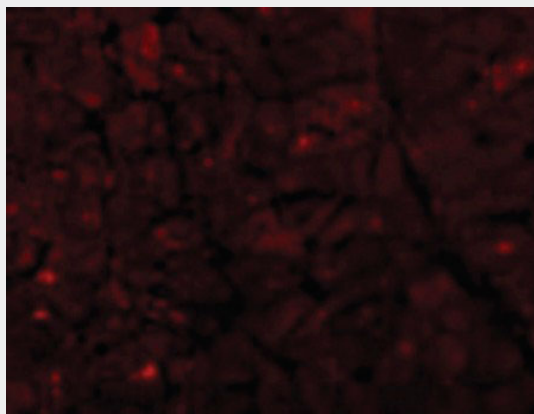
Widely expressed, with highest levels in lung.

**CASP12 / Caspase 12 Antibody - Protocols**

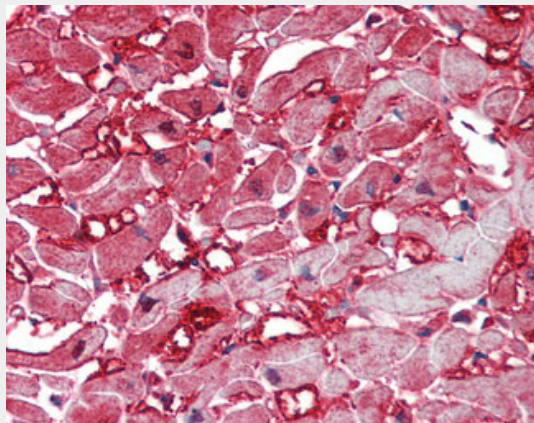
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

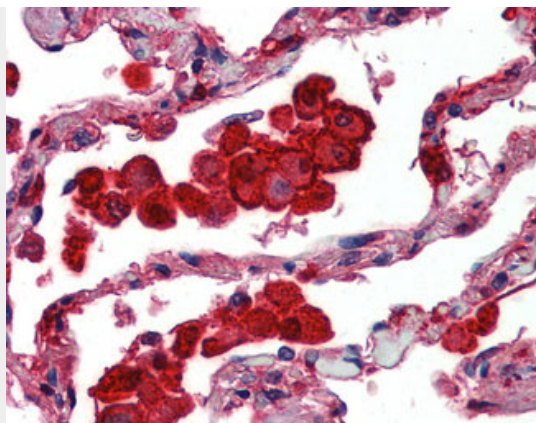
#### **CASP12 / Caspase 12 Antibody - Images**



Immunofluorescence of Caspase-12 in Human Heart cells with Caspase-12 antibody at 10 ug/ml.



Anti-CASP12 / Caspase 12 antibody IHC of human heart.



Anti-CASP12 / Caspase 12 antibody IHC of human lung.

### **CASP12 / Caspase 12 Antibody - Background**

Has no protease activity. May reduce cytokine release in response to bacterial lipopolysaccharide during infections. Reduces activation of NF-kappa-B in response to TNF.

### **CASP12 / Caspase 12 Antibody - References**

Fischer H., et al. *Biochem. Biophys. Res. Commun.* 293:722-726(2002).  
Clark H.F., et al. *Genome Res.* 13:2265-2270(2003).  
Taylor T.D., et al. *Nature* 440:497-500(2006).  
Saleh M., et al. *Nature* 429:75-79(2004).  
Kachapati K., et al. *Hum. Mutat.* 27:975-975(2006).