

## Rabbit anti-Human Caspase12 Polyclonal Antibody | anti-CASP12 antibody

Caspase12 Antibody

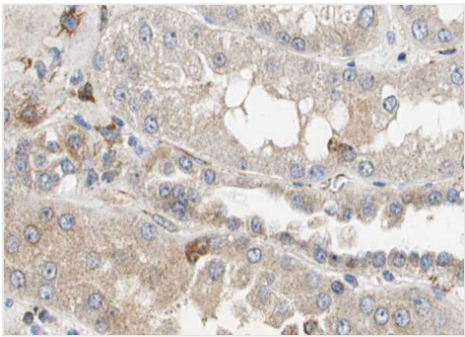
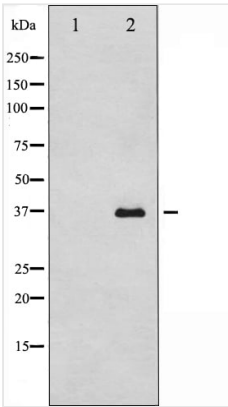
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA321867 | Rabbit | Human      | ELISA, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

Caspase12; Polyclonal Antibody; Caspase12 Antibody; CASP 12; CASP-12; Casp12; CASP12P1; caspase 12 (gene/pseudogene); caspase 12 pseudogene 1; CASPC\_HUMAN; Inactive caspase-12; OTTHUMP00000207032; anti-CASP12 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                 |
| Reactivity                                       | Human                                                                                                  |
| Clonality                                        | Polyclonal                                                                                             |
| Isotype                                          | IgG                                                                                                    |
| Specificity                                      | caspase12 antibody detects endogenous levels of total caspase12                                        |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.          |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.          |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                 |
| Sequence Length                                  | 341                                                                                                    |
| Applicable Applications for anti-CASP12 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                   |
| Immunogen                                        | A synthesized peptide derived from human caspase12                                                     |
| Subcellular Location                             | Endoplasmic Reticulum                                                                                  |
| Tissue Specificity                               | Detected in heart, kidney, liver, lung, pancreas, small intestine, spleen, stomach, thymus and testis. |
| Conjugation                                      | Unconjugated                                                                                           |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                      |



**IHC (Immunohistochemistry)**  
AAA321867 at 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

**WB (Western Blot)**  
Western blot analysis of caspase12 expression in HUVEC cells, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                          |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CASP12 antibody | Function: 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.<br>Similarity: Belongs to the peptidase C14A family. |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 617418490                             |
| NCBI GeneID                      | 100506742                             |
| NCBI Accession #                 | NP_001177945.2                        |
| NCBI GenBank Nucleotide #        | NM_001191016.2                        |
| UniProt Accession #              | Q6UXS9; D6RBN7                        |
| Molecular Weight                 | Observed: 38 kDa<br>Predicted: 39 kDa |
| NCBI Official Full Name          | inactive caspase-12                   |
| NCBI Official Synonym Full Names | caspase 12 (gene/pseudogene)          |
| NCBI Official Symbol             | CASP12                                |
| NCBI Official Synonym Symbols    | CASP-12; CASP12P1                     |
| NCBI Protein Information         | inactive caspase-12                   |
| UniProt Protein Name             | Inactive caspase-12                   |
| UniProt Gene Name                | CASP12                                |
| UniProt Synonym Gene Names       | CASP-12                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.