

## Product datasheet for **TA368023**

### **COP (CARD16) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human placenta tissue lysate IHC: 40-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human CARD16
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	23 kDa
Gene Name:	caspase recruitment domain family member 16
Database Link:	<a href="#">Entrez Gene 114769 Human Q5EG05</a>



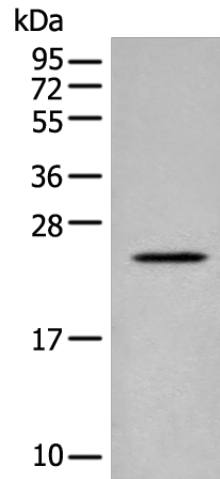
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**Background:**

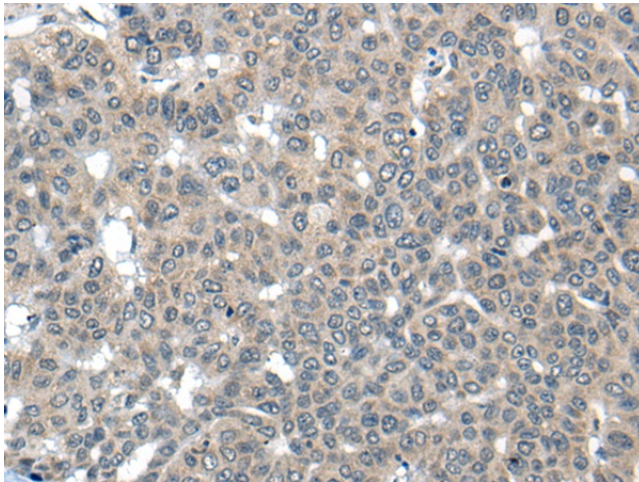
Caspase inhibitor. Acts as a regulator of procaspase-1/CASP1 activation implicated in the regulation of the proteolytic maturation of pro-interleukin-1 beta (IL1B) and its release during inflammation. Inhibits the release of IL1B in response to LPS in monocytes. Also induces NF-kappa-B activation during the pro-inflammatory cytokine response. Also able to inhibit CASP1-mediated neuronal cell death, TNF-alpha, hypoxia-, UV-, and staurosporine-mediated cell death but not ER stress-mediated cell death. Acts by preventing activation of caspases CASP1 and CASP4, possibly by preventing the interaction between CASP1 and RIPK2.

**Synonyms:**

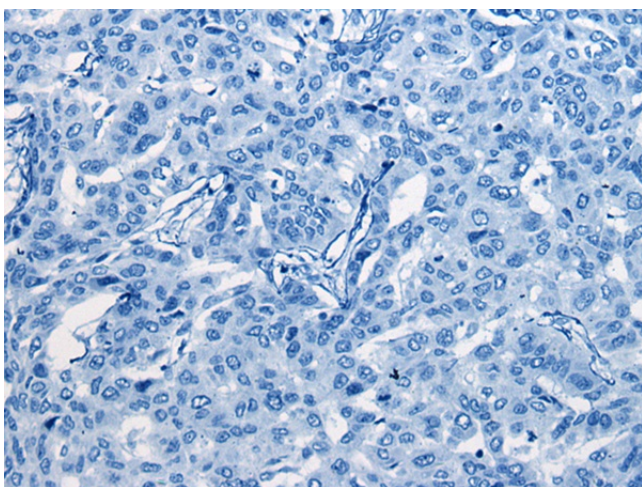
COP; COP1; Pseudo-ICE

**Product images:**

Gel: 12%SDS-PAGE  
Lysate: 40 µg  
Lane: Human placenta tissue lysate  
Primary antibody: TA368023 (CARD16 Antibody) at dilution 1/800  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 60 seconds



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA368023 (CARD16 Antibody) at dilution 1/55 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA368023 (CARD16 Antibody) at dilution 1/55, treated with synthetic peptide. (Original magnification:  $\times 200$ )