**bs-7081R** **[ Primary Antibody ]**

# CARD10 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 29775 **SWISS:** Q9BWT7

**Target:** CARD10

**Immunogen:** KLH conjugated synthetic peptide derived from human CARD10: 165-248/248.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Membrane-associated guanylate kinase (MAGUK) family members function as molecular scaffolds for the assembly of multiprotein complexes localizing to the plasma membrane. Several mammalian proteins related to the Drosophila tumor suppressor discs-large (dlg) gene product belong to the MAGUK family, including the caspase recruitment domain (CARD) protein family with the exception of CARD9. The CARD domain consists of 6 or 7 antiparallel alpha helices. CARD family members participate in apoptosis signaling through highly specific protein-protein homophilic interactions. CARD 10 (also designated CARD-containing MAGUK protein 3 or Carma 3) interacts with BCL-10 to activate NF x B. CARD10 is expressed in a variety of adult and fetal tissues, including heart, kidney and liver, and in multiple cancer cell lines.

**Applications:** **WB** (1:500-2000)
**IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)
**ELISA** (1:5000-10000)

**Reactivity:** Human, Rat (predicted: Mouse, Dog, Monkey)

**Predicted MW.:** 116 kDa

**Subcellular Location:** Cytoplasm

## SELECTED CITATIONS

- **[IF=7.4]** Zhou Lijie. et al. Metabolic reprogramming based on RNA sequencing of gemcitabine-resistant cells reveals the FASN gene as a therapeutic for bladder cancer. J TRANSL MED. 2024 Dec;22(1):1-21 IHC ;Human. 38218866