

bs-12713R**[Primary Antibody]****PLCD3 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Dog, Horse)
GeneID: 113026	SWISS: Q8N3E9	
Target: PLCD3		
Immunogen: KLH conjugated synthetic peptide derived from human PLCD3: 71-170/789.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 89 kDa
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.		Subcellular Location: Cell membrane ,Cytoplasm
Background: This gene encodes a member of the phospholipase C family, which catalyze the hydrolysis of phosphatidylinositol 4,5-bisphosphate to generate the second messengers diacylglycerol and inositol 1,4,5-trisphosphate (IP3). Diacylglycerol and IP3 mediate a variety of cellular responses to extracellular stimuli by inducing protein kinase C and increasing cytosolic Ca(2+) concentrations. This enzyme localizes to the plasma membrane and requires calcium for activation. Its activity is inhibited by spermine, sphingosine, and several phospholipids. [provided by RefSeq, Jul 2008]		

— SELECTED CITATIONS —

- **[IF=2.2]** Yu Yantao. et al. PLCD3 inhibits apoptosis and promotes proliferation, invasion and migration in gastric cancer. Discover Oncology. 2024 Dec;15(1):1-17 IF ;Human. 38305998