

bs-9028R**[Primary Antibody]****AKAP2/PALM2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200) ELISA (1:5000-10000) Reactivity: Human (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Horse) Predicted MW.: 95 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 11217	SWISS: Q9Y2D5	
Target: AKAP2/PALM2		
Immunogen: KLH conjugated synthetic peptide derived from human AKAP2: 151-250/859.		
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: AKAP2 binds to regulatory subunit (RII) of protein kinase A and can be differentially expressed as a natural AKAP2-PALM2 chimeric protein. It may be involved in establishing polarity in signaling systems or in integrating PKA-RII isoforms with downstream effectors to capture, amplify and focus diffuse, trans-cellular signals carried by cAMP. There are 2 named isoforms produced by alternative splicing.		

— SELECTED CITATIONS —

- **[IF=4.147]** Bing Wang. et al. AKAP2 overexpression modulates growth plate chondrocyte functions through ERK1/2 signaling. Bone. 2021 May;146:115875 WB,IF ;Human. 33571699