

bs-5914R**[Primary Antibody]****Carbonic anhydrase 3 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) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Horse) Predicted MW.: 30 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 761	SWISS: P07451	
Target: Carbonic anhydrase 3		
Immunogen: KLH conjugated synthetic peptide derived from human Carbonic anhydrase 3: 21-120/260.		
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: Carbonic anhydrase is a family of metalloenzymes (enzymes that contain one or more metal atoms as a functional component of the enzyme) that catalyze the rapid interconversion of carbon dioxide and water into carbonic acid and protons. It also converts bicarbonate in carbon dioxide and water. This reaction occurs spontaneously in aqueous solution, but does so slowly. Carbonic anhydrase can greatly increase the rate of the reaction, with typical catalytic rates of the different forms of this enzyme ranging between 104 and 106 reactions per second. The active site of most carbonic anhydrases contains a zinc ion.		