

bs-22546R**[Primary Antibody]****hydrogen exchanger 3 Rabbit pAb****Bioss**
ANTIBODIES

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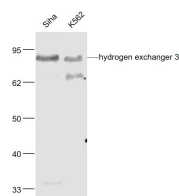
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Horse)
GeneID: 6550	SWISS: P48764	Predicted MW.: 93 kDa
Target: hydrogen exchanger 3		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human hydrogen exchanger 3 : 451-550/834. < Cytoplasmic >		
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: NHE-3 are integral membrane proteins that are expressed in most mammalian tissues, where they regulate intracellular pH and cell volume. NHEs mediate the transport of hydrogen (H ⁺) ions out of cells in exchange for extracellular sodium (Na ⁺) ions. While NHE-1 is ubiquitously expressed, the NHE isoforms 2-8 have distinct tissue- and cell type-dependent expression and inhibitory characteristics. NHE-3 localizes to the apical membrane of renal proximal tubules where it is responsible for most of the sodium transport and fluid reabsorption. NHE-3 translocates to internal pools where it mediates natriuresis when blood pressure increases abruptly. NHE-3 is also expressed in the stomach and functions to protect the mucosa by secreting protons that diffuse into the mucous cells.		

— VALIDATION IMAGES —

Sample: Siha(Human) Cell Lysate at 30 ug
K562(Human) Cell Lysate at 30 ug Primary: Anti-hydrogen exchanger 3 (bs-22546R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 80 kD