

bs-0505R**[Primary Antibody]****Sodium hydrogen exchanger 1 Rabbit pAb****Bioss**
ANTIBODIES

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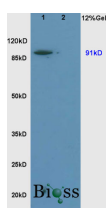
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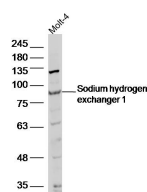
400-901-9800

— DATASHEET —

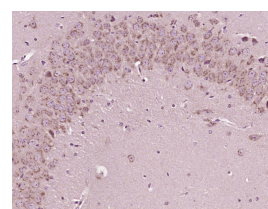
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse) Predicted MW.: 91 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 6548	SWISS: P19634	
Target: Sodium hydrogen exchanger 1		
Immunogen: KLH conjugated synthetic peptide derived from human NHE1: 470-550/815. < Extracellular >		
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: This gene encodes a Na ⁺ /H ⁺ antiporter that is a member of the solute carrier family 9. The encoded protein is a plasma membrane transporter that is expressed in the kidney and intestine. This protein plays a central role in regulating pH homeostasis, cell migration and cell volume. This protein may also be involved in tumor growth. [provided by RefSeq, Sep 2011]		

— VALIDATION IMAGES —

Sample: Brain(Rat) lysate at 30ug; Liver(Rat) lysate at 30ug; Primary: Anti-NHE1 (bs-0505R) at 1:200 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bse-0295G) at 1: 3000 dilution; Predicted band size : 91kD Observed band size : 91kD We are unsure as to the identity of these extra bands



Sample: molt-4(human)cell lysate at 40 ug
Primary: Anti- Sodium hydrogen exchanger 1 (bs-0505R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 91kD Observed band size: 91 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Sodium hydrogen exchanger 1) Polyclonal Antibody, Unconjugated (bs-0505R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=7.675]** Ya-Ling Yin. et al. Citronellal Attenuates Oxidative Stress–Induced Mitochondrial Damage through TRPM2/NHE1 Pathway and Effectively Inhibits Endothelial Dysfunction in Type 2 Diabetes Mellitus. ANTIOXIDANTS-BASEL. 2022 Nov;11(11):2241 IHC,IF ;Rat, Human. 36421426
- **[IF=5.714]** Yaling Yin. et al. PAE ameliorates doxorubicin-induced cardiotoxicity via suppressing NHE1 phosphorylation and stimulating PI3K/AKT phosphorylation. INT IMMUNOPHARMACOL. 2022 Dec;113:109274 IHC ;Rat. 36252472