

**bs-23443R****[ Primary Antibody ]****ACE2 Rabbit pAb****Bioss**  
ANTIBODIES

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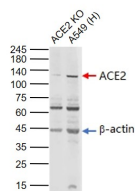
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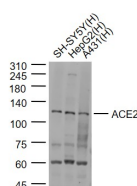
400-901-9800

**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human (predicted: Mouse, Rat)
<b>GeneID:</b> 59272	<b>SWISS:</b> Q9BYF1	
<b>Target:</b> ACE2		<b>Predicted MW.:</b> 87 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ACE2: 451-550/805. < Extracellular >		<b>Subcellular Location:</b> Cytoplasm ,Cell projection membrane ,Membrane ,Secreted ,Cell membrane
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> The protein encoded by this gene belongs to the angiotensin-converting enzyme family of dipeptidyl carboxydipeptidases and has considerable homology to human angiotensin 1 converting enzyme. This secreted protein catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of this gene suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, the encoded protein is a functional receptor for the spike glycoprotein of the human coronaviruses SARS and HCoV-NL63. [provided by RefSeq, Jul 2008]		

**VALIDATION IMAGES**

Sample: Lane 1: ACE2 knockout (KO) A549 Cell Lysate Lane 2: Human A549 Cell (Control) Lysate  
Primary: Anti-ACE2 (bs-23443R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 87 kD Observed band size: 120 kD



Sample: Lane 1: SH-SY5Y (Human) Cell Lysate at 30 ug Lane 2: HepG2 (Human) Cell Lysate at 30 ug Lane 3: A431 (Human) Cell Lysate at 30 ug  
Primary: Anti-ACE2 (bs-23443R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 120 kD Observed band size: 120 kD

**SELECTED CITATIONS**

- [IF=2]** Difang Sun. et al. Expression of the SARS-CoV-2 Receptor ACE2 and Protease TMPRSS2 in Ocular Hypertension Eyes of Nonhuman Primate and Human. CURR EYE RES. 2024 Jan 11 IF ;Monkey. 38212998