

Anti-ACE2 Polyclonal Antibody 5

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 87 kDa. Actual: 120 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: SH-SY5Y (Human) Cell Lysate at 30 µg Lane 2: HepG2 (Human) Cell Lysate at 30 µg Lane 3: A431 (Human) Cell Lysate at 30 µg Primary: Anti-ACE2 (TMAB-02200) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 120 kD Observed band size: 120 kD
	2. Sample: Lane 1: ACE2 knockout (KO) A549 Cell Lysate Lane 2: Human A549 Cell (Control) Lysate Primary: Anti-ACE2 (TMAB-02200) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 87 kD Observed band size: 120 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human ACE2
Antigen Species:	Human
Gene ID:	59272
Uniprot ID:	Q9BYF1

Research Background

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

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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]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481