

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB13085 - Goat Anti-ACE2 (C Terminal) Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** ACE 2 antibody, ACE related carboxypeptidase antibody, ACE-related carboxypeptidase antibody, ACE2 antibody, ACE2\_HUMAN antibody, ACEH antibody, Angiotensin converting enzyme 2 antibody, Angiotensin converting enzyme homolog antibody, Angiotensin converting enzyme like protein antibody, Angiotensin I Converting

Enzyme (peptidyl dipeptidase A)

Official Symbol: ACE2

Accession Number(s): NP\_001358344.1

Human GenelD(s): 59272

## Immunogen

Peptide with sequence PROPRIETARY-ACE2, from the C Terminus of the protein sequence according to NP\_001358344.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 140kDa band observed in Human Kidney lysates (calculated MW of 92.4kDa according to NP\_001358344.1). The observed molecular weight was successfully blocked by incubation with the immunising peptide, and represents glycosylateion of ACE2, as routinely observed by other sources. Recommended concentration: 0.03-1ug/ml. Primary incubation 1 hour at room temperature IHC: Paraffin embedded Human Testis. Recommended concentration: 8µg/ml.

A customer reported weak staining on paraffin embedded Human Kidney, concentration 5-6ug/ml.

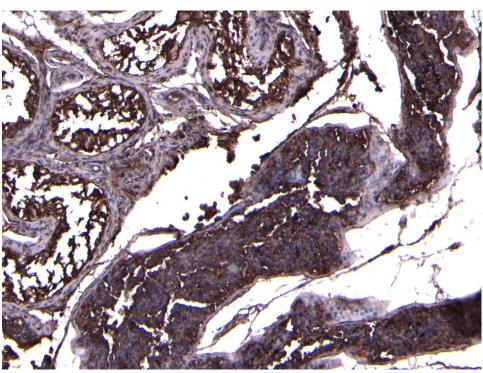
# **Species Reactivity**

Tested: Human

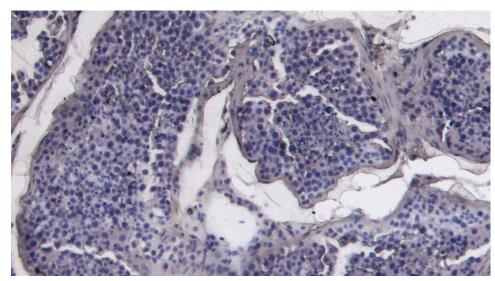
Expected from sequence similarity: Human

A B
250kDa
150kDa
Glycosylated ACE2
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa

EB13085 (0.5μg/ml) staining of Human Kidney lysate (A) + Peptide (B) (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB13085 (8µg/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



 ${\tt EB13085\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Testis,\ with\ no\ primary\ antibody.}$