Order: (888)-282-5810 (Phone)
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ACE2 (C) Antibody, Rabbit Polyclonal

Cat#: R2825-2

Lot#: Refer to vial

Quantity: 100 ul

Application: WB

Predicted I Observed M.W.: 92 I 92, 125 kDa

Uniprot ID: P21802

Background:

Angiotensin-converting enzyme 2 (ACE2) is a single-pass type I membrane protein belonging to the peptidase M2 family. ACE2 is a carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. ACE2 is also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. ACE2 may be an important regulator of heart function. In case of human coronaviruses SARS and HCoV-NL63 infections, ACE2 serve as functional receptor for the spike glycoprotein of both coronaviruses.

Other Names:

Angiotensin-converting enzyme 2, ACE-related carboxypeptidase, Angiotensin-converting enzyme homolog, ACEH, Metalloprotease MPROT15

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human ACE2. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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Product Data:

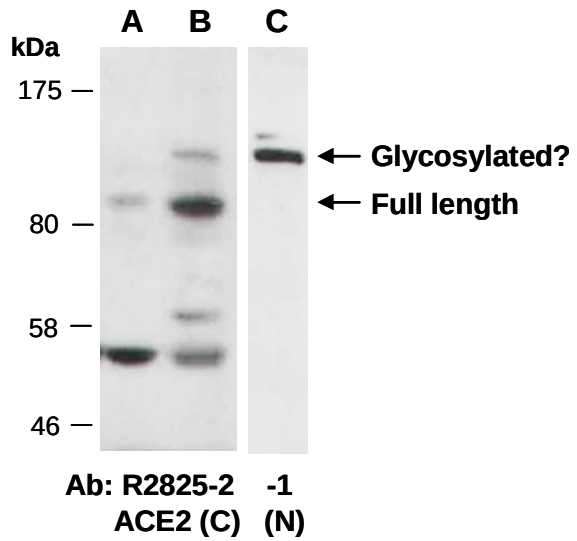

Fig 1. *Western blot of total cell extracts from (A) mouse thymus, (B, C) human HeLa; using 2 independent Abs against 2 distinct regions of human ACE2 at RT for 2 h. ACE2 (C) (R2825-2) appears to recognize the 92 kD full length as well as the 125 kD glycosylated ACE2.*

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