

Recombinant ACE2 / Angiotensin | Converting Enzyme 2 Antibody

Rabbit Monoclonal Antibody [Clone MSVA-919R]

Catalog No	Format	Size
59272-RBM7-P0	Purified Ab with BSA and Azide	20 ug
59272-RBM7-P1	Purified Ab with BSA and Azide	100 ug

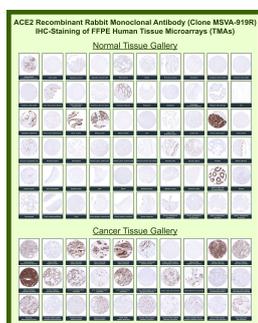
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-919R
Immunogen	Recombinant fragment (around aa705-805) of human ACE2 (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	92kDa
Cellular Localization	Apical cell membrane, Cell membrane, Cell projection, Cilium, Cytoplasm, Secreted
Species Reactivity	Human
Positive Control	Kidney: Cells of proximal tubuli should show a moderate to strong ACE2 immunostaining with accentuation of the staining at the apical membrane.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant ACE2 / Angiotensin | Converting Enzyme 2 Antibody



Angiotensin-converting enzyme 2 Rabbit Recombinant Monoclonal Antibody (MSVA-919R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

Carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. Also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. By cleavage of angiotensin II, may be an important regulator of heart function. By cleavage of angiotensin II, may also have a protective role in acute lung injury. Plays an important role in amino acid transport by acting as binding partner of amino acid transporter SL6A19 in intestine, regulating trafficking, expression on the cell surface, and its catalytic activity. In case of human coronaviruses SARS and HCoV-NL63 infections, serve as functional receptor for the spike glycoprotein of both coronaviruses.

Supplied As

Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
