

The Renin-Angiotensin signaling (RAS) pathway

*Elimination of ACE2 by SARS-CoV-2 will drive ANG II signaling, as
a) less ANG II is broken down
b) decreased signaling by ANG 1-7 and other ACE2-derived peptides*

Angiotensinogen

Renin, Cathepsins & others

Angiotensin I

Angiotensin 1-9

ACE1, Chymase

PREP, MME

ACE1

Angiotensin IV

Angiotensin II

Angiotensin 1-7

ACE1

Angiotensin 1-5

APs

ACE2, PREP

AGTR1

AGTR2

Signaling to MAS1 GPCR
+ Other signaling
mechanisms?

MRGPRD?
Other targets?

Alamandine

Poorly understood, especially
in humans

