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ACE2 connects COVID-19 with cancer and cancer immunotherapy

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Researchers have a promising lead on COVID-19 treatment

[https://www.news-medical.net/news/20201221/...](https://www.news-medical.net/news/20201221/)

Dec 22, 2020 - By taking a lesson from prostate cancer, researchers now have a promising lead on treatment for COVID-19. Two proteins, ACE2 and TMPRSS2, help the coronavirus gain entry and replicate within cells.

ACE2 protein protects against severe COVID-19: Study

<https://medicalxpress.com/news/2020-12-ace2-protein-severe-covid-.html>

Dec 17, 2020 - More Information: Arlissa Viveiros et al, Sex Differences in COVID-19: Candidate Pathways, Genetics of ACE2, and Sex Hormones, American Journal of Physiology-Heart and Circulatory Physiology (2020 ...

Elevated expression of ACE2 in tumor-adjacent normal ...

<https://onlinelibrary.wiley.com/doi/10.1002/jc.33145>

Zhilian Zhang, Lin Li, Mengyuan Li, Xiaosheng Wang. The SARS-CoV-2 host cell receptor ACE2 correlates positively with immunotherapy response and is a potential protective factor for cancer progression, Computational and Structural Biotechnology Journal, 10.1016/j.csbj.2020.08.024, 18, 17438-17444 (2020)

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Colon Cancer and SARS-CoV-2: Impact of ACE2 Expression in ...

<https://www.biorxiv.org/content/10.1101/2020.06.11.146878v1>

Jun 18, 2020 - Novel coronavirus disease (COVID-19) pandemic has become a global health emergency. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) interacts with angiotensin-converting enzyme 2 (ACE2) to enter the cells and infects diverse human tissues. It has been reported that a few conditions, including cancer, predispose individuals to SARS-CoV-2 infection and severe form of ...

Cited by: 2

Author: Mohsen Ahmadi, Nagin Saffarzadeh, Moha...

Publish Year: 2020

ACE2 and TMPRSS2 expression by clinical, HLA, immune, and ...

<https://jitc.bmj.com/content/8/2/e001020>

Jul 01, 2020 - Background Pandemic COVID-19 by severe acute respiratory syndrome (SARS) coronavirus 2 (SARS-CoV-2) infection is facilitated by the ACE2 receptor and protease TMPRSS2. Modestly sized case series have described clinical factors associated with COVID-19, while ACE2 and TMPRSS2 expression analyses have been described in some cell types. Patients with cancer may have worse outcomes to ...

Cited by: 2

Author: Riyue Bao, Kyle Hernandez, Lei Huang, Jas...

Publish Year: 2020



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Angiotensin-converting enzyme 2 connects COVID-19 with cancer a



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### Identification of angiotensin-converting enzyme 2 (ACE2 ...

<https://pubmed.ncbi.nlm.nih.gov/32916258>

COVID-19 is a pandemic that began to spread worldwide caused by SARS-CoV-2. Lung cancer patients are more susceptible to SARS-CoV-2 infection. The SARS-CoV-2 enters into the host by the ACE2 receptor. Thus, ACE2 is the key to understand the mechanism of SARS-CoV-2 ...

Cited by: 4

Author: Abdus Samad, Tamanna Jafar, Jahirul Ha...

Publish Year: 2020

### Angiotensin-converting enzyme 2 (ACE2), SARS-CoV-2 and ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/path.5471>

Angiotensin-converting enzyme 2 (ACE2), the functional receptor of SARS-CoV-2, plays a crucial role in the pathogenesis of COVID-19, as it provides viral entry into human cells [7, 8]. The viral spike (S) protein of SARS-CoV-2 binds to ACE2 as a cellular receptor in a similar way to SARS-CoV-1.

Cited by: 113

Author: Arno R. Bourgonje, Amaal Eman Abdulle,...

Publish Year: 2020

### Images of Angiotensin-converting Enzyme 2 Connects Covid ...

<bing.com/images>



See all images >

### Transcriptional regulator BRD2 as a potential therapeutic ...

<https://www.news-medical.net/news/20210124/...>

Jan 25, 2021 · A team of international scientists has demonstrated that therapeutic inhibition of a