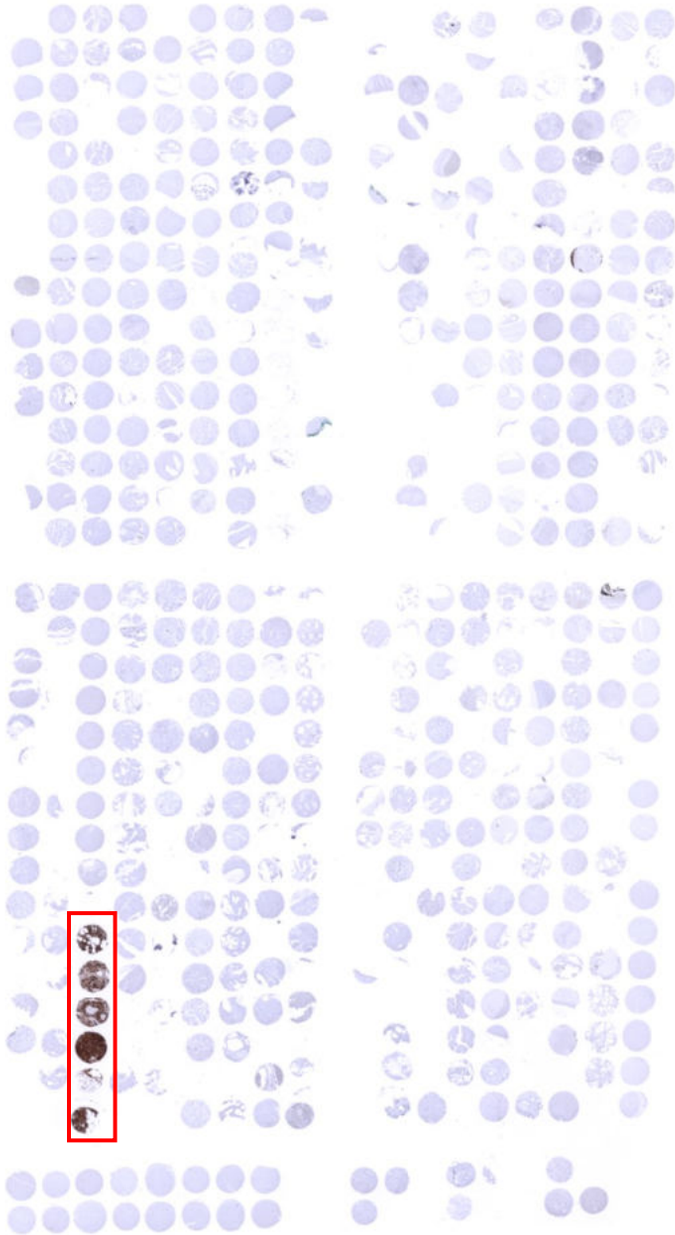
76 different tissue types



Normal acinar cells of the pancreas are the only normal cell type with a CPA1 staining by MSVA-601M.

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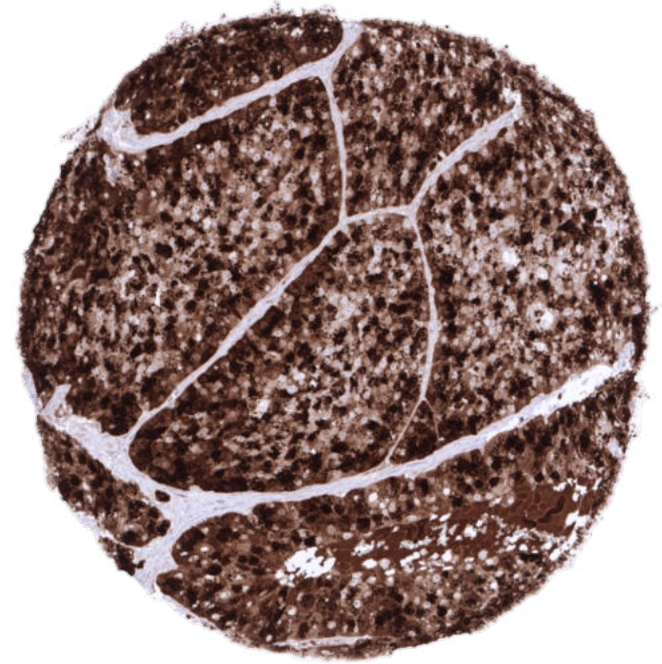
CPA1

MSVA-601M

Publication Summary



Strong CPA1 positivity in an acinar cell carcinoma of the pancreas

Published by Uhlig et al. in the American Journal of Surgical Pathology. 2022 Jan 1;46(1):97-104.

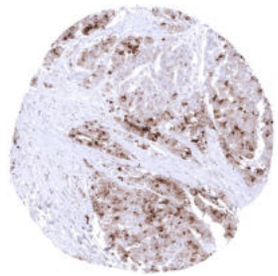
Carboxypeptidase A1 (CPA1) Immunohistochemistry is Highly Sensitive and Specific for Acinar Cell Carcinoma (ACC) of the Pancreas

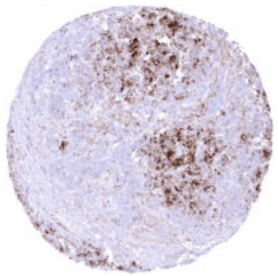
Uhlig et al. In American Journal of Surgical Pathology. 2022 Jan 1;46(1):97-104**):**

Among cancers, cytoplasmic CPA1 expression was only seen in acinar cell carcinomas of the pancreas. A positive CPA1 immunostaining was seen in all 12 analyzed pancreatic acinar cell carcinomas but in none of 12,263 tumors from 130 other tumor categories.

The distribution of positive staining results is shown in an organ-systematic figure on the right. (Images based on a compilation of data from Uhlig et al.)

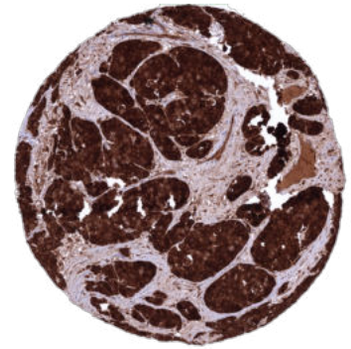
Moderate focal CPA1 immunostaining involving about 70% of tumor cells of a pancreatic acinar cell carcinoma.





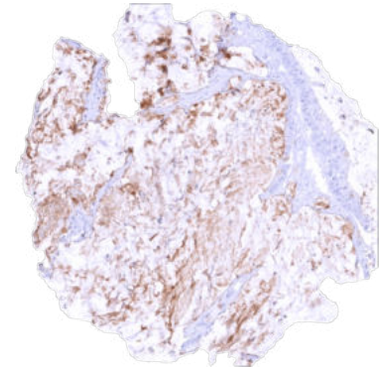
Acinar cell carcinoma of the pancreas exhibiting a moderate focal CPA1 positivity.

Issues to consider



Pancreatic acinar cell carcinoma showing strong positivity for CPA1 in all tumor cells and also significant stroma staining (contamination artifact due to very high CPA1 levels).

CPA1 staining of pancreas derived mucins in a colorectal adenocarcinoma.



Conclusion

The main conclusion of Uhlig et al. with respect to utility of immunohistochemical CPA1 analysis:

Carboxypeptidase A1 (CPA1) immunohistochemistry is highly sensitive and specific for acinar cell carcinoma (ACC) of the Pancreas.

Organ Systematic Figure

Note: MSVA-601M is for Research Use only

not approved for use in diagnostics