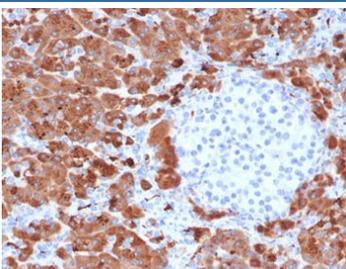


## Carboxypeptidase A1 Antibody / CPA1 [clone CBPA1-1] (V7433)

Catalog No.	Formulation	Size
V7433-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7433-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7433SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7433IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human; Other species not tested.
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	CBPA1-1
<b>Purity</b>	Protein G affinity
<b>UniProt</b>	P15085
<b>Localization</b>	Cytoplasmic, secreted
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	This Carboxypeptidase A1 antibody is available for research use only.



IHC testing of FFPE human pancreas with Carboxypeptidase A1 antibody (clone CBPA1-1). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

## Description

The CPA1 gene encodes Carboxypeptidase A1, a member of the carboxypeptidase A family of zinc metalloproteases. This enzyme is produced in the pancreas and preferentially cleaves C-terminal branched-chain and aromatic amino acids from dietary proteins. This gene and several family members are present in a gene cluster on chromosome 7. Mutations in this gene may be linked to chronic pancreatitis, while elevated protein levels may be associated with pancreatic cancer. [RefSeq]

For additional tissue-specific detection and characterization of CPA1 expression as a pancreatic acinar cell marker, see our [Carboxypeptidase A1 antibody clone CPA1/8163R](#) featuring validated IHC and western blot data.

## Application Notes

Optimal dilution of the Carboxypeptidase A1 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Full length recombinant human protein was used as the immunogen for the Carboxypeptidase A1 antibody.

## Storage

Store the Carboxypeptidase A1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).