Carboxypeptidase A1 / CPA1 (Pancreatic Cancer Marker) Antibody

Mouse Monoclonal Antibody [Clone CPA1/8777]

Catalog No	Format	Size
1357-MSM16-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1357-MSM16-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1357-MSM16-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

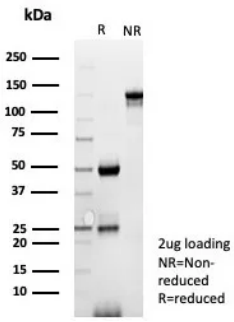
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

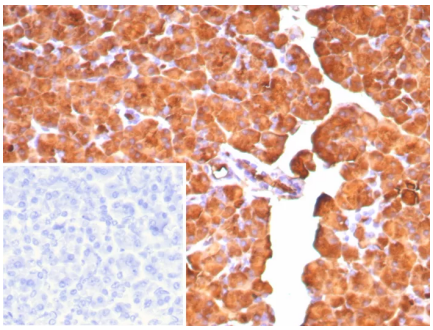
Clone	CPA1/8777
Gene Name	CPA1
Immunogen	Recombinant fragment (around aa100-300) of human CPA1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	47kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	Pancreas.

**Optimal dilution for a specific application should be determined.*

Product Images for Carboxypeptidase A1 / CPA1 (Pancreatic Cancer Marker) Antibody



SDS-PAGE Analysis of Purified Carboxypeptidase A1 Mouse Monoclonal Antibody (CPA1/8777). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human pancreas stained with Carboxypeptidase A1 / CPA1 Mouse Monoclonal Antibody (CPA1/8777). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Human pancreatic procarboxypeptidase A exists as three different active forms, two of which are designated carboxypeptidase A1 (CPA1) and carboxypeptidase A2 (CPA2). CPA1, also known as CPA, is a 419 amino acid secreted monomeric protein that is highly expressed in pancreatic tissue. Functioning as a pancreatic exopeptidase, CPA1 uses zinc as a cofactor to catalyze the release of C-terminal amino acids from a variety of proteins, thereby playing a key role in protein digestion and degradation. Via its catalytic activity, CPA1 is also thought to be involved in zymogen (proenzyme) inhibition, probably functioning to block enzyme activation pathways. Abnormal levels of CPA1 are associated with pancreatic cancer, suggesting a possible role in either tumor progression or tumor suppression events.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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

Mast Cell Marker

Limitations and Warranty