Recombinant Carboxypeptidase A1 / CPA1 (Pancreatic Cancer Marker) Antibody

Rabbit Monoclonal Antibody [Clone CPA1/8163R]

Catalog No	Format	Size
1357-RBM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1357-RBM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1357-RBM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

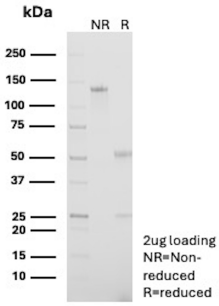
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

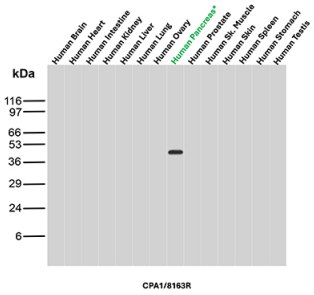
Clone	CPA1/8163R
Immunogen	Recombinant full-length human Carboxypeptidase 1 (CPA1) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	47.14kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Pancreas.

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

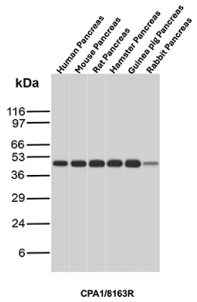
Product Images for Recombinant Carboxypeptidase A1 / CPA1 (Pancreatic Cancer Marker) Antibody



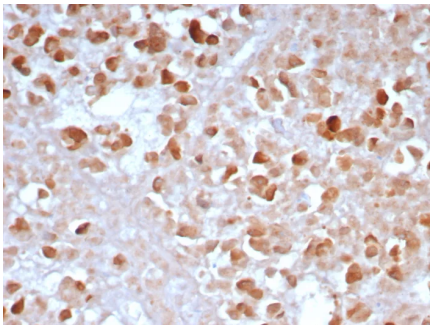
SDS-PAGE Analysis of Purified CPA1 Recombinant Rabbit Monoclonal Antibody (rCPA1/8163R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Brain, Heart, Intestine, Kidney, Liver, Lung, Ovary, Pancreas, Prostate, Skeletal muscle, Skin, Spleen, Stomach and testis tissue lysates of Human using CPA1 Recombinant Rabbit Monoclonal Antibody (CPA1/8163R).



Western Blot Analysis of pancreas tissue lysates of different species using CPA1 Recombinant Rabbit Monoclonal Antibody (CPA1/8163R).



Formalin-fixed, paraffin-embedded human pancreas stained with CPA1 Recombinant Rabbit Monoclonal Antibody (CPA1/8163R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

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 produced in a mammalian-based expression system. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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