

## Anti-Carboxypeptidase A2 Antibody (6I522)

## Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6I522
Purification:	Protein A

## Applications

Verified Activity:	Immunochemical staining of human CPA2 in human pancreas (from two donors) with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to pancreatic acinus.
Application:	ELISA,IHC-P
Recommended	ELISA: 1:1000-1:2000; IHC-P: 1:50-1:200

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human CPA2 protein (TMPY-00726)
Antigen Species:	Human
Synonyms:	carboxypeptidase A2;CPA2

## Research Background

Carboxypeptidase A2 ( CPA2 ) is a secreted pancreatic procarboxy -peptidase, and cleaves the C-terminal amide or ester bond of peptides that have a free C-terminal carboxyl group. The hydrolytic action of CPA2 was identified with a preference towards long substrates with aromatic amino acids in their C-terminal end, particularly tryptophan. CPA2 comprises a signal peptide, a pro region and a mature chain, and can be activated after cleavage of the pro peptide. Three different forms of human pancreatic procarboxypeptidase A have been isolated, and the A1 and A2 forms are always secreted as monomeric proteins with different biochemical properties.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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