

Anti-Carboxypeptidase A2 Antibody (8W788)

Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8W788
Purification:	Protein A

Applications

Verified Activity:	Immunochemical staining of human CPA2 in human pancreas (from 2 donors) with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to pancreatic acinus.
Application:	ELISA(Cap),IHC-P
Recommended	IHC-P: 1:50-1:200; ELISA(Cap): 1:250-1:2000

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 Carboxypeptidase A2 / 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481