



Anti-Trypsin polyclonal antibody (DPAB0666)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Human Cationic Trypsin
Immunogen	Human Cationic Trypsin
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Ammonium sulfate precipitation and DEAE-Sephacel ion exchange chromatography
Conjugate	Unconjugated
Applications	Indirect ELISA (1:512) Western blot (1:2,000 reacts to 0.3ug antigen) IEP: Single arc against antigen and human pancreatic extract Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	1.297mg/ml
Size	1 ml
Buffer	PBS, pH 7.4
Preservative	0.05% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction

Trypsin is a 24 kDa enzyme of the serine proteinase family. It is produced in the pancreas as an inactive precursor, trypsinogen, but the active enzyme is located in the gastrointestinal tract where it degrades proteins to large peptides. Trypsin prefers lysine and arginine residues. One of the substrates for trypsin is chymotrypsinogen which is cleaved to produce active chymotrypsin. High levels of immunoreactive trypsin in the bloodstream can indicate pancreatic malfunction and this indicator is used to screen for and diagnose Cystic Fibrosis.

Keywords

Anionic trypsinogen; Beta trypsin; Brain trypsinogen; Cationic Trypsinogen; Digestive Zymogen; Mesotrypsin; Mesotrypsinogen; MGC111183; MGC120174; MTG; PRSS1; protease, serine, 1 (trypsin 1); TRP1; TRY1; TRY4; TRYP1; FLJ57296; MGC120175; MGC149362; DKFZp779A0837; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; OTTHUMP00000213668; OTTHUMP00000213669; OTTHUMP00000213670; cationic trypsinogen; nonfunctional trypsin 1; EC 3.4.21.4; EC 3.4.21; Beta-trypsin; Trypsin I

GENE INFORMATION

Entrez Gene ID

[5644](#)

UniProt ID

[P07477](#)