



# Anti-PRSS1 (aa 138-247) polyclonal antibody (DPAB-DC2514)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7.
<b>Immunogen</b>	PRSS1 (NP_002760, 138 a.a. ~ 247 a.a) partial recombinant protein with GST tag. The sequence is KCLISGWGNTASSGADYPDELQCLDAPVLSQAKCEASYPGKITSNMFCVGFLEGGKDSCQ GDSGGPVVCNGQLQGVVSWGDGCAQKNKPGVYTKVYNYVKWIKNTIAANS
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PRSS1 protease, serine, 1 (trypsin 1) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PRSS1
<b>Synonyms</b>	PRSS1; protease, serine, 1 (trypsin 1); TRP1; TRY1; TRY4; TRYP1; trypsin-1; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; cationic trypsinogen; nonfunctional trypsin 1;
<b>Entrez Gene ID</b>	<a href="#">5644</a>
<b>Protein Refseq</b>	<a href="#">NP_002760</a>
<b>UniProt ID</b>	<a href="#">P07477</a>
<b>Chromosome Location</b>	7q34
<b>Pathway</b>	Activation of Matrix Metalloproteinases; Defective AMN causes hereditary megaloblastic anemia 1; Defective CD320 causes methylmalonic aciduria; Defective GIF causes intrinsic factor deficiency
<b>Function</b>	metal ion binding; serine-type endopeptidase activity;