

## Product datasheet for **AP21250PU-N**

### **CELA1 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, ID, IF, IP, R, WB
<b>Recommended Dilution:</b>	This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques), to prepare an insoluble immuno-affinity adsorbent, for labelling with a marker of choice. <u>Working Dilutions:</u> Non-precipitating antibody-binding techniques: 1/10,000-1/100,000.
<b>Reactivity:</b>	Porcine
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Elastase isolated and purified from Porcine pancreas. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Specificity:</b>	The antibody recognizes Elastase from Porcine panceas. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, Single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and enzyme inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
<b>Formulation:</b>	PBS, pH 7.2 stabilized with Dextran, without preservatives and foreign proteins State: Aff - Purified State: Lyophilized purified hyperimmune IgG fraction
<b>Reconstitution Method:</b>	Restore by adding 0.5 ml of sterile distilled water
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Solid Phase Affinity Chromatography
<b>Conjugation:</b>	Unconjugated



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<b>Storage:</b>	Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Database Link:</b>	<a href="#">Entrez Gene 396766 Pig P00772</a>
<b>Background:</b>	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Elastase is a serine protease which exhibits endopeptidase activity on many proteins, its principal substrate, however, is elastin and it is unique among proteases in its ability to hydrolyse native elastin. It is present in the pancreas, leukocytes and serum. Elastase consists of a single polypeptide chain with a molecular weight of 29.5kDa. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Like most of the human elastases, elastase 2A is secreted from the pancreas as a zymogen. In other species, elastase 2A has been shown to preferentially cleave proteins after leucine, methionine, and phenylalanine residues. Elastase 1 is not a pancreatic enzyme: clinical literature that describes human elastase 1 activity in the pancreas is actually referring to elastase 2A.
<b>Synonyms:</b>	ELA1, CELA1