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[Primary Antibody]

Rabbit Anti-Pepsin A antibody

Catalog Number: SL10638R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Pepsin A
Immunogen:	Native Pig Pepsin protein, Isolated and purified from porcine stomach mucosa.
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Pig)
Predicted MW.:	41kDa
Subcellular Location:	Secretory protein
Background:	Pepsin is a digestive enzyme with particularly broad specificity. It is stored as pepsinogen, so only released when needed. In the stomach, chief cells release pepsinogen. The hormone gastrin and the vagus nerve trigger the release of both pepsinogen and HCl from the stomach lining when food is ingested. HCl creates an acidic environment which allows pepsinogen to unfold and cleave itself in an autocatalytic fashion, thereby generating pepsin (the active form). Pepsin may then cleave the dietary proteins into smaller peptides. **Subcellular Location:** Secreted. **Database links:** **Entrez Gene:** 396892 Pig **SwissProt:** P00791 Pig

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.