

Anti-PEPSIN (GOAT) Antibody
Pepsin Antibody
Catalog # ASR4079

Specification

Anti-PEPSIN (GOAT) Antibody - Product Information

Host	Goat
Conjugate	Unconjugated
Target Species	Swine
Reactivity	Pig
Clonality	Polyclonal
Application	WB, IHC, E, IP, I, LCI
Application Note	Anti-Pepsin antibody has been tested in ELISA, western blot and immunohistochemistry. This product detects a single band of the expected apparent molecular weight and for ELISA. Researchers should determine optimal titers for applications that are not stated below.
Physical State	Lyophilized
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-Pepsin Antibody was produced by repeated immunizations with pork Pepsin protein isolated from swine stomach.
Reconstitution Volume	100 µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Preservative	0.01% (w/v) Sodium Azide

Anti-PEPSIN (GOAT) Antibody - Additional Information

Other Names
396892

Purity

Anti-PEPSIN is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum as well as purified and partially purified Pepsin [Porcine Stomach]. Cross reactivity against Pepsin from other tissues and species may occur but have not been specifically determined.

Storage Condition

Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

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

Anti-PEPSIN (GOAT) Antibody - Protein Information

Name PGA

Function

Shows particularly broad specificity; although bonds involving phenylalanine and leucine are preferred, many others are also cleaved to some extent.

Cellular Location

Secreted.

Anti-PEPSIN (GOAT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PEPSIN (GOAT) Antibody - Images**Anti-PEPSIN (GOAT) Antibody - Background**

Pepsin antibody detects Pepsin protein. Pepsin is an enzyme whose pepsinogen is released by the chief cells in the stomach and degrades food proteins into peptides. Pepsin belongs to the peptidase A1 family and is one of three principal proteolytic enzymes in the digestive system. Pepsin is most efficient in cleaving peptide bonds between hydrophobic and preferably aromatic amino acids such as phenylalanine, tryptophan, and tyrosine at positions P1 and P1'. Anti-Pepsin Antibody is ideal for investigators involved in Cell Signaling and Cell Biology research.