

Datasheet for 200-1376S

Pepsin Antibody Peroxidase Conjugated**Overview**

Description:	Anti-Pepsin (GOAT) Antibody Peroxidase Conjugated - 200-1376S
Item No.:	200-1376S
Size:	25 µL
Applications:	Dot Blot, ELISA, WB
Reactivity:	Pig
Host Species:	Goat

Product Details

Background:	Pepsin is one of three principal protein-degrading, or proteolytic, enzymes in the digestive system, the other two being chymotrypsin and trypsin. Pepsin is commonly used in the preparation produce either an Fab or an F(ab') ₂ fragment from antibodies.
Synonyms:	goat anti-Pepsin Antibody HRP Conjugated, Peroxidase Conjugated goat anti-Pepsin Antibody, Pepsin A antibody, Pepsin a precursor antibody, Pepsin antibody, Pepsinogen 1 second locus antibody, Pepsinogen 3 group 1 antibody, Pepsinogen a3 antibody
Host Species:	Goat
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PGA
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Pepsin [Porcine Stomach]

Purity/Specificity: 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-Peroxidase, 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.

Relevant Links:

- [UniProtKB - P00791](#)
- [NCBI - AAA31095.1](#)
- [GeneID - 396892](#)

Application Details

Tested Applications: Dot Blot, ELISA, WB

Application Note: Anti-Pepsin peroxidase has been tested by ELISA, dot blot, and western blot and is useful in immunohistochemistry. Optimal titers should be obtained by researchers if not provided.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:2,000 - 1:10,000

IHC: 1:250 - 1:1,250

WB: 1:500 - 1:2,500

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

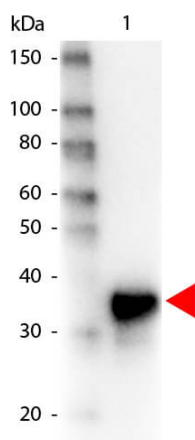
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Peroxidase conjugated Goat anti-Pepsin antibody. Lane 1: Pepsin. Lane 2: none. Load: 100 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase goat pepsin antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 35 kDa for Pepsin. Other band(s): none.

Disclaimer

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