

Datasheet for 200-1676-0100**Pepsin Antibody Biotin Conjugated****Overview**

Description:	Anti-Pepsin (GOAT) Antibody Biotin Conjugated - 200-1676-0100
Item No.:	200-1676-0100
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Pig
Host Species:	Goat

Product Details

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.
Synonyms:	goat anti-Pepsin Antibody Biotin Conjugation, Biotin 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:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity: Anti-Pepsin antibody 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-Biotin, anti-Goat Serum as well as purified and partially purified Pepsin [Porcine Stomach]. Cross reactivity against Pepsin from other sources may occur but have not been specifically determined.

Relevant Links:

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

Application Details

Tested Applications: ELISA, WB

Application Note: Anti-Pepsin biotin antibody has been tested by ELISA and western. This product is suitable for Immunohistochemistry. Expect band at 41.2 kDa in appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.

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

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

IHC: User Optimized

WB: 1:500 - 1:2,000

Formulation

Physical State: Lyophilized

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) Sodium Azide

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

Reconstitution Volume: 100 µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

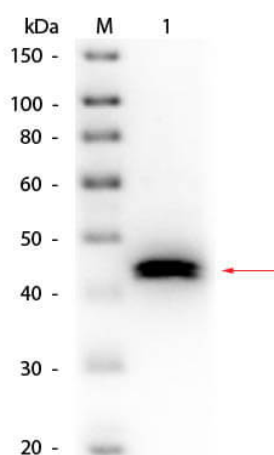
Shipping & Handling

Shipping Condition: Ambient

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.

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

Images



Western Blot

Western Blot of Goat anti-Pepsin Antibody Biotin Conjugated. Lane 1: Pepsin. Load: 50 ng per lane. Primary antibody: Goat anti-Pepsin Antibody Biotin Conjugated 1:1,000 overnight at 4°C. Secondary antibody: HRP Streptavidin (p/n S000-03) at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 41 kDa, 41 kDa for Pepsin.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.