

## **Product Datasheet**

## Papain Antibody Peroxidase Conjugated (orb344363)

Catalog Number orb344363

**Category** Antibodies

**Description** Papain antibody (Peroxidase)

**Clonality** Polyclonal

Species/Host Goat

**Isotype** lgG

Conjugation HRP

**Reactivity** Plant

Form/Appearance Lyophilized

**Concentration** 1.0 mg/mL

**Buffer/Preservatives** 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Purity** Anti-Papain 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 Papain [Carica papaya]. Cross reactivity against Papain from other sources may

occur but has not been specifically determined.

**Immunogen** Anti-Papain Antibody was produced by repeated immunizations with pork Papain

protein isolated from papaya.

UniProt ID P00784





**Tested applications** 

DOT, ELISA, IHC, WB

**Dilution range** 

ELISA: 1:1,000 - 1:5,000, IHC: 1:200- 1:1,000, WB: 1:500- 1:2,500

**Application notes** 

Anti-Papain peroxidase antibody has been tested by ELISA, dot blot, and western blot. This product is assayed against 1.0 ug of Papain [Carica papaya] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:4,000 of the reconstitution concentration is suggested for this product. Researchers should determine optimal titers for applications that are not stated below.

**Antibody Type** 

**Primary Antibody** 

Storage

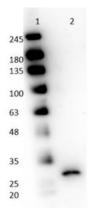
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute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

Note

For research use only

**NCBI** 

P00784.1



Western Blot of Goat anti-Papain Antibody Peroxidase Conjugated. Lane 1: Opal Prestained Molecular Weight Marker. Lane 2: Papain. Load: 50 ng per lane. Primary antibody: Goat anti-Papain Antibody Peroxidase Conjugated at 1:1000 overnight at 4°C. Secondary antibody: none. Block: orb348637 for 30 min at RT. Predicted/Observed size: 23.4 kDa, >25 kDa for Papain.