

Product Datasheet

Papain Antibody Peroxidase Conjugated (orb344363)

Catalog Number	orb344363
Description	Papain antibody (Peroxidase)
Species/Host	Goat
Reactivity	Plant
Conjugation	HRP
Tested Applications	DOT, ELISA, IHC, WB
Immunogen	Anti-Papain Antibody was produced by repeated immunizations with pork Papain protein isolated from papaya.
Preservatives	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
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

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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.

Isotype

IgG

Clonality

Polyclonal

Antibody Type

Primary Antibody

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.

Uniprot ID

P00784

NCBI

P00784.1

Dilution Range

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

Expiration Date

12 months from date of receipt.



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.

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