

Product datasheet

HRP Anti-Papain antibody ab181737

1 Image

Overview

Product name	HRP Anti-Papain antibody
Description	HRP Goat polyclonal to Papain
Host species	Goat
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Carica papaya
Immunogen	Full length native protein (purified) corresponding to Papain aa 133-345. Carica papaya Sequence: IPEYVDWRQKGAVTPVKNQGSCGSCWAFSAVVTEGIKIR TGNLNEYSE QELLDCCRYSYGCNGGYPWSALQLVAQYGIHYRNTYPYE GVQRYCRSREK GPYAAKTDGVRQVQPYNEGALLYSIANQPVSVVLEAAGK DFQLYRGGIFV GPCGNKVDHAAVAVGYGPNYLIKNSWGTGWGENGYIRIK RGTGNSYGVC GLYTSSFYPVKN

Database link: [P00784](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.01% Gentamicin sulphate

Constituents: 0.27% Potassium phosphate, 0.88% Sodium chloride, 1% BSA

Do not add sodium azide. Immunoglobulin and protease free.

Purity	IgG fraction
Purification notes	ab181737 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 precipitation arc against anti-Peroxidase anti-Goat Serum as well as purified and partially purified Carica papaya Papain.
Clonality	Polyclonal
Isotype	IgG

Applications

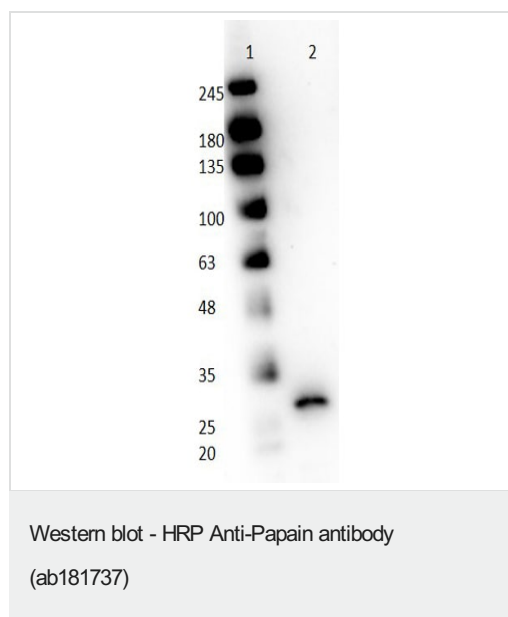
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab181737 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2500. Predicted molecular weight: 39 kDa.

Target

Relevance Papain is a protease derived from the papaya fruit (*Carica papaya*). It hydrolyses peptides with broad specificity, but shows a preference for large hydrophobic amino acids in the P2 position. It is synthesised as an inactive 40 kDa precursor containing a 107 residue N terminal pro region and a 26 residue signal peptide.

Images



HRP Anti-Papain antibody (ab181737) at 1/1000 dilution + Papain at 0.05 µg

Predicted band size: 39 kDa

Block: MB-070 for 30 min at Room temperature.

Predicted/Observed size: 23.4 kDa, >25 kDa for Papain.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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