## Overview

**Product name**  
Anti-Human Rhinovirus 3C protease antibody

**Description**  
Rabbit polyclonal to Human Rhinovirus 3C protease

**Host species**  
Rabbit

**Specificity**  
ab183574 recognizes the cleavage site of Human rhinovirus 3C protease. Human rhinovirus 3C protease (HRV3C Protease) is a cysteine protease that recognizes the cleavage site of Leu-Glu-Val-Leu-Phe-Gln-Gly-Pro. It cleaves between Gln and Gly (independent of Pro). (HRV) 3C Protease is used to remove fusion tags from proteins with the HRV 3C cleavage sequence and is typically dual tagged for easy removal from the sample after cleavage.

**Tested applications**  
Suitable for: WB, IP

**Species reactivity**  
Reacts with: Other species

**Immunogen**  
Synthetic peptide corresponding to Human Rhinovirus 3C protease. Synthetic peptide recognizing the cleavage site of Human Rhinovirus 3C protease.

Database link: Q82081

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
</table>
| Storage buffer | Preservative: 0.05% Sodium azide  
Constituents: 0.01% BSA, 30% Glycerol, 69% PBS |
| Purity        | Immunogen affinity purified |
| Clonality     | Polyclonal |
| Isotype       | IgG |

## Applications

Our Abpromise guarantee covers the use of ab183574 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Human rhinovirus 3C protease (HRV3C Protease) is a cysteine protease that recognizes the cleavage site of Leu-Glu-Val-Leu-Phe-Gln-Gly-Pro. It cleaves between Gln and Gly (independent of Pro). HRV 3C Protease is used to remove fusion tags from proteins with the HRV 3C cleavage sequence and is typically dual tagged for easy removal from the sample after cleavage.

Images

**All lanes**: Anti-Human Rhinovirus 3C protease antibody (ab183574) at 1/1000 dilution

**Lane 1**: Uncleaved human rhinovirus 3C protease

**Lane 2**: Cleaved human rhinovirus 3C protease

Lysates/proteins at 1 µg per lane.

**Secondary**

**All lanes**: Goat anti-rabbit IgG-HRP at 1/15000 dilution

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP</td>
<td></td>
<td>Use at an assay dependent concentration. Use 4 µg.</td>
</tr>
</tbody>
</table>

Target

**Relevance**

Human rhinovirus 3C protease (HRV3C Protease) is a cysteine protease that recognizes the cleavage site of Leu-Glu-Val-Leu-Phe-Gln-Gly-Pro. It cleaves between Gln and Gly (independent of Pro). HRV 3C Protease is used to remove fusion tags from proteins with the HRV 3C cleavage sequence and is typically dual tagged for easy removal from the sample after cleavage.
Immunoprecipitation of Human Rhinovirus 3C protease was performed on a control protein containing GST and the HRV3c cleavage site. Antigen-antibody complexes were formed by incubating 100ug HeLa lysate containing 2ug control protein with 4ug of ab183574 overnight on a rocking platform at 4°C. The immune complexes were captured on 50ul of Protein A/G Plus Agarose, washed extensively, and eluted with 5X Lane Marker Reducing Sample Buffer. Both the lysate and the immune complexes were resolved on a 4-20% Tris-HCl polyacrylamide gel, transferred to a PVDF membrane, and blocked with 5% BSA/TBS-0.1%Tween for at least 1 hour. The membrane was probed with a GST monoclonal antibody at a dilution of 1:1500 overnight rotating at 4°C, washed in TBST, and probed with an IP detection reagent at a dilution of 1:2500 for at least 1 hour. Chemiluminescent detection was performed. Note: the IP fraction resulted in proteolytic activity of the GST-control protein.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors