


Anti-Furin antibody **ab28547**

[6 References](#) [1 Image](#)

Overview

Product name	Anti-Furin antibody
Description	Rabbit polyclonal to Furin
Host species	Rabbit
Specificity	ab28547 recognizes subtilisin-like serine protease furin.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Recombinant fragment Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human Furin (N terminal). (Peptide available as ab41397)
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol, 2.9% Sodium chloride, PBS
Purity	Immunogen affinity purified
Purification notes	This antibody has been peptide-affinity purified.
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

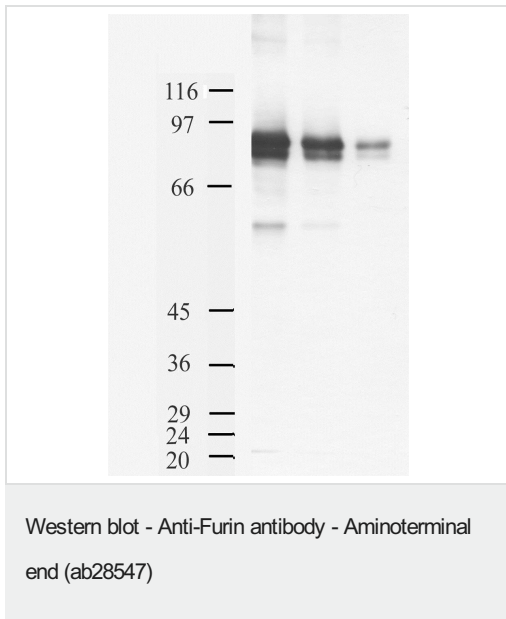
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab28547 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 88 kDa. 1/1,000 when using colorimetric substrates such as BCIP/NBT and 1/5,000 for chemiluminescent substrates. Glycosylation and other post-translational modifications make the pre-pro furin run at 110-104 kDa, the mature furin at 98-95 kDa and shed furin at 90 kDa. Dilution optimised using Chromogenic detection.

Target

Function	Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX(K/R)R consensus motif.
Tissue specificity	Seems to be expressed ubiquitously.
Sequence similarities	Belongs to the peptidase S8 family. Furin subfamily. Contains 1 homo B/P domain.
Domain	Contains a cytoplasmic domain responsible for its TGN localization and recycling from the cell surface.
Post-translational modifications	The inhibition peptide, which plays the role of an intramolecular chaperone, is autocatalytically removed in the endoplasmic reticulum (ER) and remains non-covalently bound to furin as a potent autoinhibitor. Following transport to the trans Golgi, a second cleavage within the inhibition propeptide results in propeptide dissociation and furin activation. Phosphorylation is required for TGN localization of the endoprotease. In vivo, exists as di-, mono- and non-phosphorylated forms.
Cellular localization	Golgi apparatus > trans-Golgi network membrane. Cell membrane. Shuttles between the trans-Golgi network and the cell surface. Propeptide cleavage is a prerequisite for exit of furin molecules out of the endoplasmic reticulum (ER). A second cleavage within the propeptide occurs in the trans Golgi network (TGN), followed by the release of the propeptide and the activation of furin.

Images



All lanes : Anti-Furin antibody (ab28547) at 1/1000 dilution

Lane 1 : Furin at 0.05 μg

Lane 2 : Furin at 0.01 μg

Lane 3 : Furin at 0.001 μg

Predicted band size: 88 kDa

Observed band size: 88 kDa

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

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