

Product datasheet

Anti-Pin1 antibody ab12107

[2 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-Pin1 antibody
Description	Rabbit polyclonal to Pin1
Host species	Rabbit
Specificity	ab12107 detects human Pin 1 at ~20kDa. ab12107 also detects a band at ~23kDa, which is not attenuated by blocking peptide ab12397 ; the identity of this band is unknown.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat
Immunogen	Synthetic peptide derived from residues 50 - 150 of Human Pin1. Read Abcam's proprietary immunogen policy.
Positive control	This antibody gave a positive result with Pin1 recombinant protein

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab12107** 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		Use a concentration of 2 µg/ml. Detects a band of approximately 20 kDa (predicted molecular weight: 18.2 kDa).

Target

Function	Essential PPlase that regulates mitosis presumably by interacting with NIMA and attenuating its mitosis-promoting activity. Displays a preference for an acidic residue N-terminal to the isomerized proline bond. Catalyzing pSer/Thr-Pro cis/trans isomerizations.
Sequence similarities	Contains 1 PpiC domain. Contains 1 WW domain.
Domain	The WW domain is required for the interaction with STIL and KIF20B.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus.

Images



Western blot - Anti-Pin1 antibody (ab12107)

Lane 1 : Marker

Lanes 2-3 : Anti-Pin1 antibody (ab12107) at 1 µg/ml

Lane 2 : pin1 Recombinant 0.1ug

Lane 3 : pin1 Recombinant 0.5ug

Secondary

Lanes 2-3 : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab7090) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 18.2 kDa

Observed band size: ~34 kDa

The observed band size is consistent with the expected size of the Pin1 partial recombinant protein used (amino acids 64 - 163 of the human Pin1 sequence, with GST).

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