# abcam

### Product datasheet

## Anti-PIAS3 antibody ab105178

1 References 画像数 1

#### 製品の概要

製品名 Anti-PIAS3 antibody

製品の詳細 Rabbit polyclonal to PIAS3

由来種 Rabbit

**アプリケーション 適用あり**: WB

種交差性 交差種: Human

交差が予測される動物種: Mouse, Horse, Cow, Dog, Pig, Macaque monkey, Gorilla

This antibody gave a positive signal in both HepG2 and Caco2 whole cell lysates.

免疫原 Synthetic peptide corresponding to Human PIAS3 aa 550 to the C-terminus conjugated to

keyhole limpet haemocyanin. (Peptide available as <u>ab123057</u>)

ポジティブ・コントロール

10 11 10 10 10 W

特記事項 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

#### 製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

**バッファー** pH: 7.40

Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our

scientific support team who will be happy to help.

精製度 Immunogen affinity purified

1

**ポリ/モノ** ポリクローナル

アイソタイプ IgG

#### アプリケーション

**The Abpromise guarantee** <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab105178の使用に適用されます アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 80 kDa (predicted molecular weight: 68 kDa).

#### ターゲット情報

機能 Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction

between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway and the steroid hormone signaling pathway. Involved in regulating STAT3 signaling via inhibiting STAT3

DNA-binding and suppressing cell growth. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation (PubMed:21965678, PubMed:9388184). Sumoylates CCAR2 which promotes its interaction with SIRT1 (PubMed:25406032). Diminishes

the sumoylation of ZFHX3 by preventing the colocalization of ZFHX3 with SUMO1 in the nucleus

(PubMed:24651376).

組織特異性 Widely expressed.

パスウェイ Protein modification; protein sumoylation.

**配列類似性** Belongs to the PIAS family.

Contains 1 PINIT domain. Contains 1 SAP domain.

Contains 1 SP-RING-type zinc finger.

ドメイン The PINIT domain of PIAS3 is required for STAT3-PIAS3 interaction and for transloaction to the

nucleus

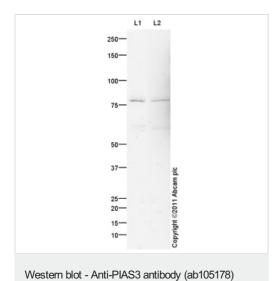
The LXXLL motif is a transcriptional coregulator signature.

翻訳後修飾 Sumoylated.

**細胞内局在** Cytoplasm. Nucleus. Nucleus speckle. Colocalizes with MITF in the nucleus. Colocalizes with

GFI1 in nuclear dots. Colocalizes with SUMO1 in nuclear granules.

#### 画像



All lanes: Anti-PIAS3 antibody (ab105178) at 1 µg/ml

Lane 1 : HepG2 (Human hepatocellular liver carcinoma cell line)

Whole Cell Lysate

Lane 2: Caco 2 (Human colonic carcinoma cell line) Whole Cell

Lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

All lanes: Goat Anti-Rabbit IgG H&L (HRP) preadsorbed

(ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 68 kDa **Observed band size:** 80 kDa

Additional bands at: 60 kDa. We are unsure as to the identity of

these extra bands.

Exposure time: 20 minutes

PIAS3 contains a potential sumoylation site (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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 <a href="https://www.abcam.co.jp/abpromise">https://www.abcam.co.jp/abpromise</a> or contact our technical team.

#### Terms and conditions

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