


Product datasheet

Anti-PIAS1+PIAS2 antibody [EPR2581Y] - BSA and Azide free ab247490

Recombinant RabMAb

5 Images

Overview

Product name	Anti-PIAS1+PIAS2 antibody [EPR2581Y] - BSA and Azide free
Description	Rabbit monoclonal [EPR2581Y] to PIAS1+PIAS2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human, Recombinant fragment Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab247490 is the carrier-free version of ab77231.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2581Y
Isotype	IgG

Applications

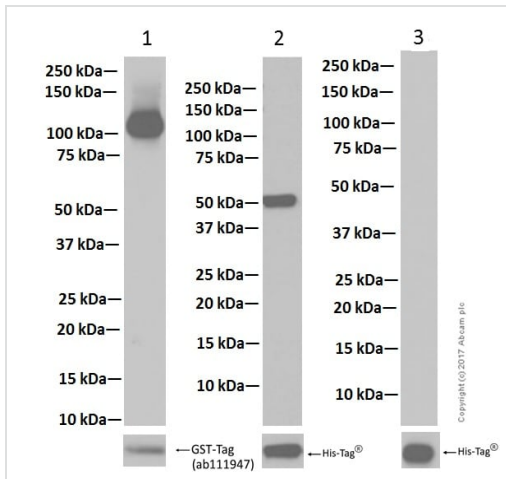
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab247490 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 72 kDa.
ICC/IF		Use at an assay dependent concentration.

Target

Cellular localization PIAS1: Nucleus speckle. Interaction with CSRP2 may induce a partial redistribution along the cytoskeleton. PIAS2: Nucleus speckle. Nucleus, PML body. Nucleus. Colocalizes at least partially with promyelocytic leukemia nuclear bodies (PML NBs) (PubMed:22406621). Colocalizes with SUMO1 in nuclear granules (By similarity).

Images



Western blot - Anti-PIAS1+PIAS2 antibody [EPR2581Y] - BSA and Azide free (ab247490)

All lanes : Anti-PIAS1 + PIAS2 antibody [EPR2581Y] (**ab77231**) at 1/50000 dilution

Lane 1 : Human PIAS1 full-length recombinant protein with GST-Tag

Lane 2 : Human PIAS2-beta recombinant protein fragment with GST-His-Tag

Lane 3 : Human PIAS3 recombinant protein fragment with SUMO-His-Tag

Lysates/proteins at 0.015 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 72 kDa

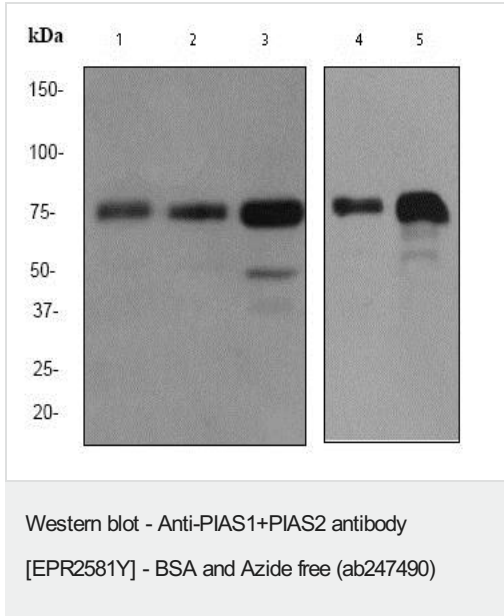
Observed band size: 98, 42 kDa

This data was developed using **ab77231**, the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFD/MTBST.

Exposure times: Lane 1: 10 seconds, Lane 2: 5 seconds, Lane 3: 3 minutes.

Human PIAS1 full-length recombinant protein (**ab152888**)



All lanes : Anti-PIAS1 + PIAS2 antibody [EPR2581Y] (**ab77231**) at 1/50000 dilution

Lane 1 : Daudi cell lysate

Lane 2 : 293 cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : SW40 cell lysate

Lane 5 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

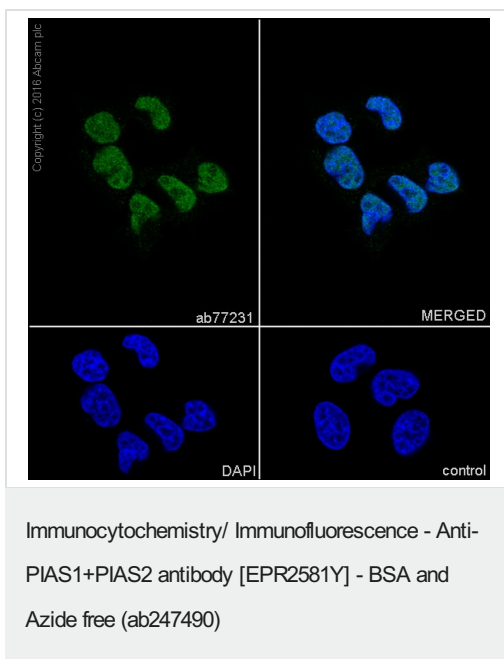
Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 72 kDa

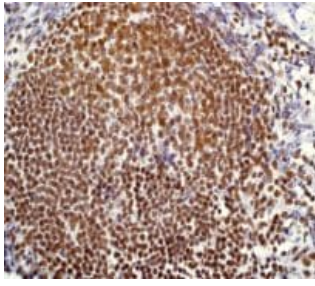
Observed band size: 78 kDa

This data was developed using **ab77231**, the same antibody clone in a different buffer formulation.



This data was developed using **ab77231**, the same antibody clone in a different buffer

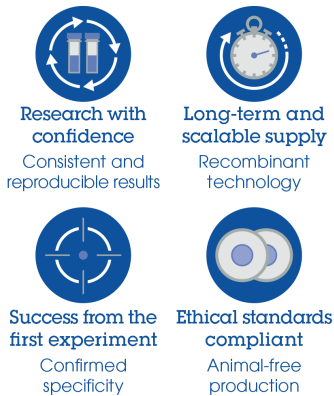
formulation. Immunocytochemistry/Immunofluorescence analysis of HeLa (human cervix adenocarcinoma) cells labelling PIAS1 + PIAS2 with purified **ab77231** at 1/500. Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Nuclei were counterstained with DAPI (blue). Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIAS1+PIAS2 antibody [EPR2581Y] - BSA and Azide free (ab247490)

This data was developed using **ab77231**, the same antibody clone in a different buffer formulation. **ab77231**, at a 1/100 dilution, staining PIAS1 + PIAS2 in paraffin embedded human tonsil tissue by Immunohistochemistry. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-PIAS1+PIAS2 antibody [EPR2581Y] - BSA and Azide free (ab247490)

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