abcam

Product datasheet

Anti-Phosphotyrosine antibody [Py72] ab269515

リコンビナント

画像数 4

製品の概要

製品名	Anti-Phosphotyrosine antibody [Py72]
製品の詳細	Mouse monoclonal [Py72] to Phosphotyrosine
由来種	Mouse
アプリケーション	**適用あり:** WB, IP
種交差性	**交差種:** Species independent
免疫原	Chemical/ Small Molecule. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Pervanadate treated NIH/3T3, Daudi and MCF7 whole cell lysates. IP: Pervanadate treated NIH/3T3 and MCF7 whole cell lysates.
特記事項	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**.

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	Py72
アイソタイプ	IgG1

アプリケーション

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 0.196 µg/ml.
IP		Use a concentration of 32.667 µg/ml.

ターゲット情報

関連性

The phosphorylation of specific tyrosine residues has been shown to be a primary mechanism of signal transduction during normal mitogenesis, cell cycle progression and oncogenic transformation, its role in other areas such as differentiation and gap junction communication, is a matter of active and ongoing research. Antibodies that specifically recognize phosphorylated tyrosine residues have proved to be invaluable to the study of tyrosine phosphorylated proteins and the biochemical pathways in which they function.

画像

Western blot - Anti-Phosphotyrosine antibody [Py72] (ab269515)
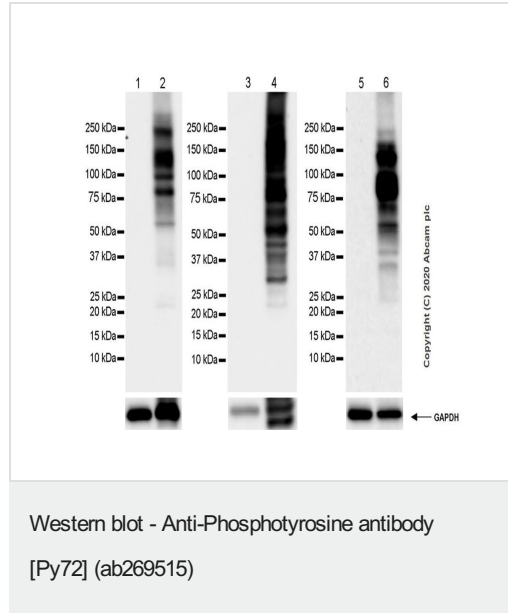
All lanes : Anti-Phosphotyrosine antibody [Py72] (ab269515) at 0.196 µg/ml

Lane 1 : NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Lane 2 : NIH/3T3 treated with 10mM pervanadate for 20 minutes, whole cell lysates

Lane 3 : Daudi (human Burkitt's lymphoma lymphoblast), whole cell lysate

Lane 4 : Daudi treated with 10mM pervanadate for 30 minutes, whole cell lysates

Lane 5 : MCF7 (human breast adenocarcinoma epithelial cell), whole cell lysate

Lane 6 : MCF7 treated with 1mM pervanadate for 20 minutes, whole cell lysates

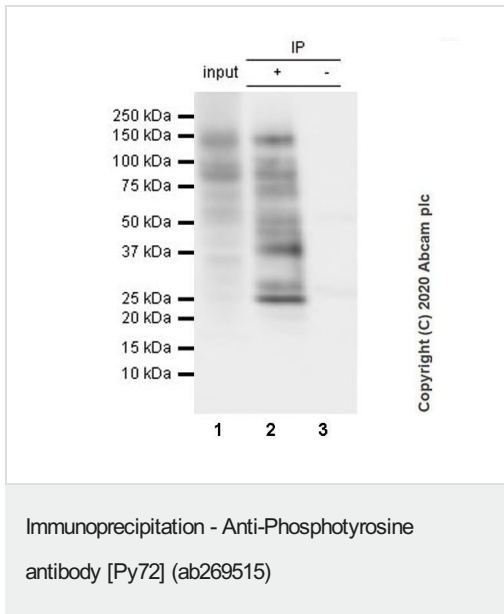Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/100000 dilution

Multiple bands represent phosph-tyrosine containing proteins detected by ab269515.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lanes 1-4: 3.25 secs; Lanes 5-6: 3 mins.

Immunoprecipitation - Anti-Phosphotyrosine antibody [Py72] (ab269515)

Phosphotyrosine was immunoprecipitated from MCF7 (human breast adenocarcinoma epithelial cell), treated with 1mM pervanadate for 20 minutes, whole cell lysates, with ab269515 at 1/30 dilution (2µg in 0.35mg lysates, (32.667µg/ml)). Western blot was performed on the immunoprecipitate using ab269515 at 1/1000 dilution (0.196µg/ml). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

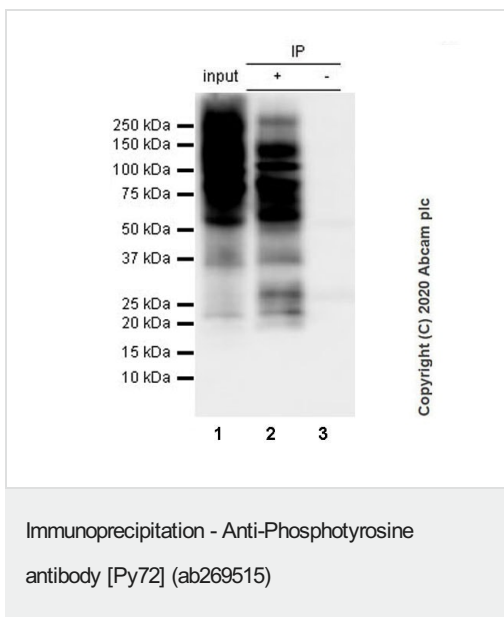**Lane 1:** MCF7 treated with 1mM pervanadate for 20 mins, whole cell lysates, 10µg.

Lane 2: ab269515 IP in MCF7 treated with 1mM pervanadate for 20 mins, whole cell lysates.

Lane 3: Mouse monoclonal IgG1 (**ab18443**) instead of ab269515 in MCF7 treated with 1mM pervanadate for 20 mins, whole cell lysates.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.

Multiple bands represent phosph-tyrosine containing proteins precipitated and detected by ab269515.

Immunoprecipitation - Anti-Phosphotyrosine antibody [Py72] (ab269515)

Phosphotyrosine was immunoprecipitated from NIH/3T3 (Mouse embyro fibroblast cells), treated with 10mM pervanadate for 20 minutes, whole cell lysates, with ab269515 at 1/30 dilution (2µg in 0.35mg lysates, (32.667µg/ml)). Western blot was performed on the immunoprecipitate using ab269515 at 1/1000 dilution (0.196µg/ml). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: NIH/3T3 treated with 10mM pervanadate for 20 mins, whole cell lysates, 10µg.

Lane 2: ab269515 IP in NIH/3T3 treated with 10mM pervanadate for 20 mins, whole cell lysates.

Lane 3: Mouse monoclonal IgG1 (**ab18443**) instead of ab269515 in NIH/3T3 treated with 10mM pervanadate for 20 mins, whole cell lysates.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.

Multiple bands represent phosph-tyrosine containing proteins precipitated and detected by ab269515.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Phosphotyrosine antibody [Py72] (ab269515)

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.co.jp/abpromise** or contact our technical team.

Terms and conditions

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