abcam

ab284721

Anti-WASP/Wiskott-Aldrich syndrome protein antibody [EP2541Y] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EP2541Y
Purification technique	Affinity purification Protein A
Concentration	1.024 - 1.032 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

IP

Not recommended

Species	Human
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target data

See full target information WAS

Function Effector protein for Rho-type GTPases that regulates actin filament reorganization via its interaction with the Arp2/3 complex (PubMed:12235133, PubMed:12769847, PubMed:16275905). Important for efficient actin polymerization (PubMed:12235133, PubMed:16275905, PubMed:8625410). Possible regulator of lymphocyte and platelet function (PubMed:9405671). Mediates actin filament reorganization and the formation of actin pedestals upon infection by pathogenic bacteria (PubMed:18650809). In addition to its role in the cytoplasmic cytoskeleton, also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (PubMed:20574068). Promotes homologous recombination (HR) repair in response to DNA damage by

promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) (PubMed:29925947).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab284721 is the carrier-free version of ab75830

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. 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.

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.

Compatibility

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.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

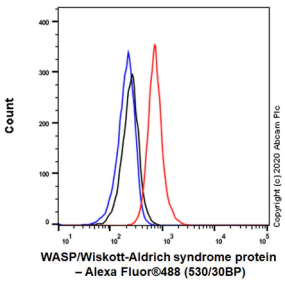
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

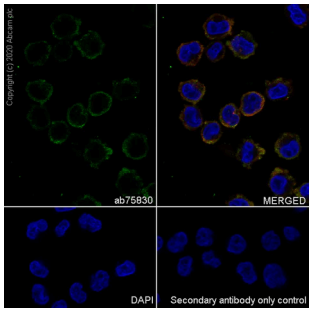
3 product images



Flow Cytometry (Intracellular) - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [EP2541Y] - BSA and Azide free (ab284721)

WASP/Wiskott-Aldrich syndrome protein Flow Cytometry (Intracellular) staining using rabbit Anti-WASP/Wiskott-Aldrich syndrome protein antibody

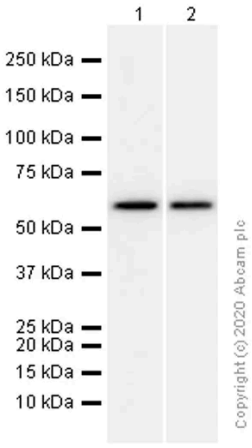
This data was developed using ab75830, the same antibody clone in a different buffer formulation. Intracellular Flow Cytometry analysis of U-937 (Human histiocytic lymphoma monocyte) cells labeling WASP/Wiskott-Aldrich syndrome protein with Purified ab75830 at 1/30 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunocytochemistry/ Immunofluorescence - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [EP2541Y] - BSA and Azide free (ab284721)

WASP/Wiskott-Aldrich syndrome protein Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-WASP/Wiskott-Aldrich syndrome protein antibody

This data was developed using ab75830, the same antibody clone in a different buffer formulation. Immunocytochemistry analysis of TF-1 (Human bone marrow erythroblast) cells labeling WASP/Wiskott-Aldrich syndrome protein with Purified ab75830 at 1/50 dilution (5.88 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488,ab150077) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [EP2541Y] - BSA and Azide free (ab284721)

WASP/Wiskott-Aldrich syndrome protein Western blot staining using rabbit Anti-WASP/Wiskott-Aldrich syndrome protein antibody

This data was developed using ab75830, the same antibody clone in a different buffer formulation.
Blocking buffer: 5% NFDM/TBST

All lanes:
Western blot - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [EP2541Y] (ab75830) at 1/10000 dilution

Lane 1:
TF-1 (Human Erythroleukemia erythroblast) whole cell lysate at 15 µg

Lane 2:
U-937 (Human histiocytic lymphoma monocyte) whole cell lysate at 15 µg

Secondary

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

Predicted band size: 53 kDa

Observed band size: 60 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.