abcam

ab202025

Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4]

Key facts

Isotype	IgG2a
Host species	Mouse
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human WAS aa 50-200. The exact immunogen used to generate this antibody is proprietary information. Database link P42768
Clone number	7B10E4
Purification technique	Affinity purification Protein G
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/200 - 1/400

Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/200 - 1/1000
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

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 duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

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

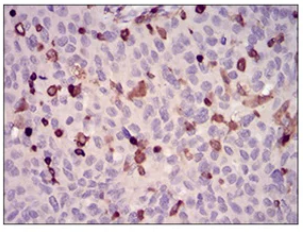
We do not recommend this combination. It is not covered by our product promise.

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.

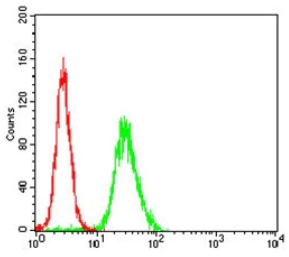
5 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025)

WASP/Wiskott-Aldrich syndrome protein Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-WASP/Wiskott-Aldrich syndrome protein antibody

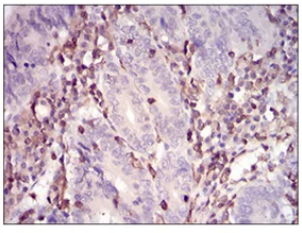
Immunohistochemical analysis of paraffin embedded Human ovarian cancer tissues labeling WASP/Wiskott-Aldrich syndrome protein using ab202025 at 1/200 dilution, followed by DAB staining.



Flow Cytometry - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025)

WASP/Wiskott-Aldrich syndrome protein Flow Cytometry staining using mouse Anti-WASP/Wiskott-Aldrich syndrome protein antibody

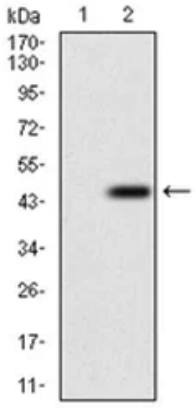
Flow cytometric analysis of HeLa cells labeling WASP/Wiskott-Aldrich syndrome protein using ab202025 at 1/200 dilution (green) and negative control (red).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025)

WASP/Wiskott-Aldrich syndrome protein Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-WASP/Wiskott-Aldrich syndrome protein antibody

Immunohistochemical analysis of paraffin embedded Human colon cancer tissues labeling WASP/Wiskott-Aldrich syndrome protein using ab202025 at 1/200 dilution, followed by DAB staining.



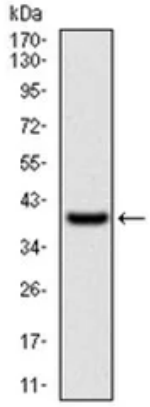
Western blot - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025)

All lanes:
Western blot - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025) at 1/500 dilution

Lane 1:
Non transfected HEK293 cell lysate at 1 µg

Lane 2:
Human WASP/Wiskott-Aldrich syndrome protein (aa: 57-170)-hIgGFc transfected HEK293 cell lysate at 1 µg

Predicted band size: 53 kDa



Western blot - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025)

Expected MW is 39 kDa
All lanes:
Western blot - Anti-WASP/Wiskott-Aldrich syndrome protein antibody [7B10E4] (ab202025) at 1/500 dilution

All lanes:
Human WASP/Wiskott-Aldrich syndrome protein (aa: 57-170) recombinant protein at 1 µg

Predicted band size: 53 kDa

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