abcam

ab284737

Anti-Dishevelled 3 antibody [EP1991Y] - 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	EP1991Y
Purification technique	Affinity purification Protein A

Reactivity data

IP

Not recommended

Species	Rat, Human, Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Human, Mouse, Rat
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Rat
Dilution info	-
Notes	-

Expected

Species	Human, Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information DVL3

Function	Involved in the signal transduction pathway mediated by multiple Wnt genes.

Storage

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

Notes

ab284737 is the carrier-free version of ab76081.

This product has switched from a hybridoma to recombinant production method on 13th September 2024.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

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.

What are the advantages of a recombinant monoclonal antibody?
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 batch production

For more information, read more on recombinant antibodies.

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.

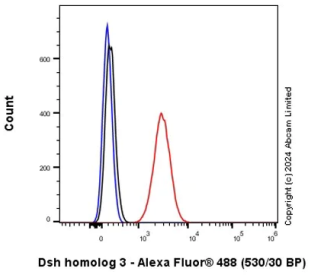
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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3 product images

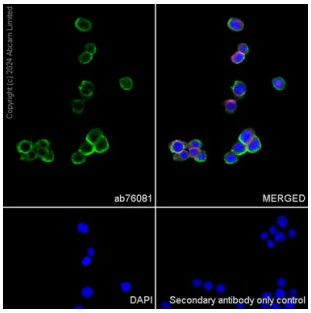


Flow Cytometry (Intracellular) - Anti-Dishevelled 3 antibody [EP1991Y] - BSA and Azide free (ab284737)

Dishevelled 3 Flow Cytometry (Intracellular) staining of HeLa cells using rabbit Anti-Dishevelled 3 antibody

This data was developed using ab76081, the same antibody clone in a different buffer formulation.

Flow cytometry analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (human cervix adenocarcinoma epithelial cell) labelling Dishevelled 3 with ab76081 at 1/200 dilution, followed by blocking with 10% goat serum for 1h at room temperature. ab76081 was incubated for 30 min at room temperature (RT) and then Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (ab150081) was incubated for 30 min at room temperature.



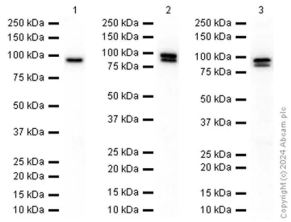
Immunocytochemistry/ Immunofluorescence - Anti-Dishevelled 3 antibody [EP1991Y] - BSA and Azide free (ab284737)

Dishevelled 3 Immunocytochemistry/ Immunofluorescence staining of PC-12 cells using rabbit Anti-Dishevelled 3 antibody

This data was developed using ab76081, the same antibody clone in a different buffer formulation.

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized PC-12 cells labelling Dishevelled 3 with ab76081 at 1/50 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (ab150081) at 1/1000 dilution at RT for 45 min. Alexa Fluor®

594 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (ab195889) was used to counterstain tubulin at 1/200 dilution. Nucleus were visualized using DAPI.



Western blot - Anti-Dishevelled 3 antibody [EP1991Y] - BSA and Azide free (ab284737)

Dishevelled 3 Western blot staining using rabbit Anti-Dishevelled 3 antibody

This data was developed using ab76081, the same antibody clone in a different buffer formulation.

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

Exposure time: Lane 1, 20 seconds; Lane 2 and Lane 3, 40 seconds.

Double bands of DVL3 could be observed which was supposed to be caused by phosphorylation supported by literatures (PMID: 31870452, 22647544).

All lanes:
Western blot - Anti-Dishevelled 3 antibody [EP1991Y] (ab76081) at 1/1000 dilution

Lane 1:
K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate at 15 µg

Lane 2:
RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 15 µg

Lane 3:
C6 (Rat glial tumor glial cell) whole cell lysate at 15 µg

Secondary

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

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