


Anti-DYNC1I2 antibody [EPR11242] - BSA and Azide free ab249417

Recombinant RabMAb

5 Images

Overview

Product name	Anti-DYNC1I2 antibody [EPR11242] - BSA and Azide free
Description	Rabbit monoclonal [EPR11242] to DYNC1I2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, IP Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human DYNC1I2.
General notes	ab249417 is the carrier-free version of ab167399 .

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.

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.

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.

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](#).

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

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	Affinity purified
Clonality	Monoclonal
Clone number	EPR11242
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249417 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

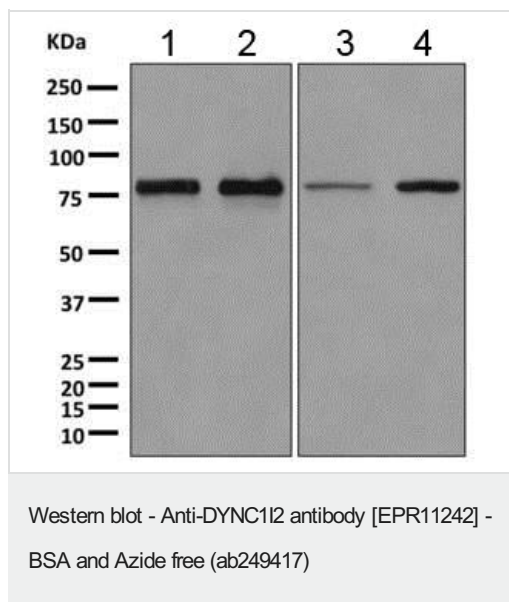
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 71 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

Target

Function	Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCNT1. Involved in membrane-transport, such as Golgi apparatus, late endosomes and lysosomes.
Sequence similarities	Belongs to the dynein intermediate chain family. Contains 7 WD repeats.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR. The phosphorylation status of Ser-90 appears to be involved in dynactin-dependent target binding.
Cellular localization	Cytoplasm > cytoskeleton.

Images



All lanes : Anti-DYNC1I2 antibody [EPR11242] ([ab167399](#)) at 1/1000 dilution

Lane 1 : Human fetal brain tissue lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : 293T cell lysate

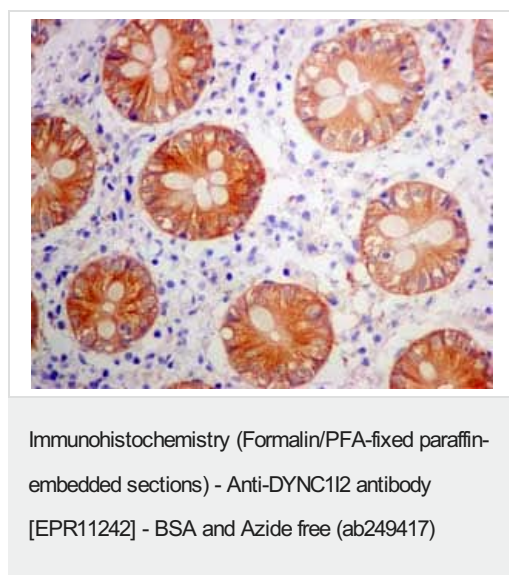
Lysates/proteins at 10 µg per lane.

Secondary

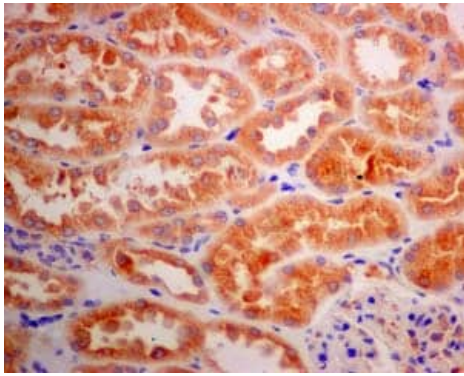
All lanes : Goat anti-rabbit HRP conjugated at 1/2000 dilution

Predicted band size: 71 kDa

This data was developed using [ab167399](#), the same antibody clone in a different buffer formulation.

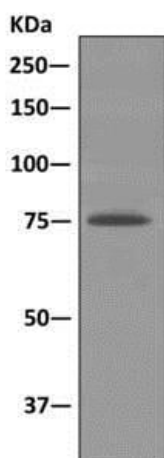


This data was developed using [ab167399](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling DYNC1I2 with [ab167399](#) at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DYNC1I2 antibody [EPR11242] - BSA and Azide free (ab249417)

This data was developed using [ab167399](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling DYNC1I2 with [ab167399](#) at 1/50 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-DYNC1I2 antibody [EPR11242] - BSA and Azide free (ab249417)

This data was developed using [ab167399](#), the same antibody clone in a different buffer formulation. Detection of DYNC1I2 by Western Blot of Immunoprecipitate. 293T cell lysate immunoprecipitated using [ab167399](#) at 1/10 dilution and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

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

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