




Product datasheet

Anti-DYNC1I2 antibody ab204422

6 Images

Overview

Product name	Anti-DYNC1I2 antibody
Description	Rabbit polyclonal to DYNC1I2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Orangutan 
Immunogen	Recombinant fragment corresponding to Human DYNC1I2 aa 100-200. Database link: Q13409  Run BLAST with  Run BLAST with
Positive control	WB: U-2 OS cell lysate. IHC-P: Human small intestine, testis, and kidney tissues. ICC/IF: HEK293 cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

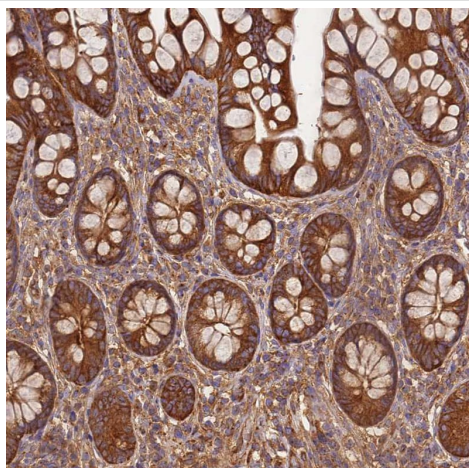
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab204422 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 71 kDa.

Target

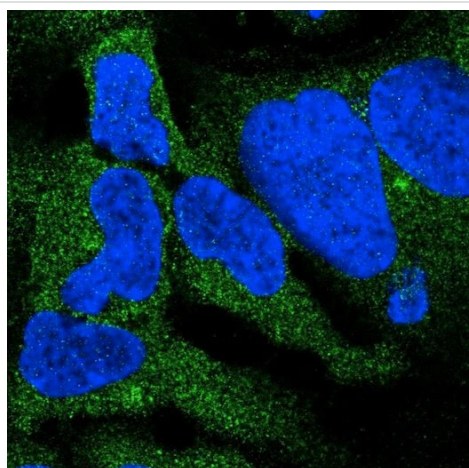
Function	Acts as one of several non-catalytic accessory components of the cytoplasmic dynein 1 complex that are thought to be involved in linking dynein to cargos and to adapter proteins that regulate dynein function. Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles 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



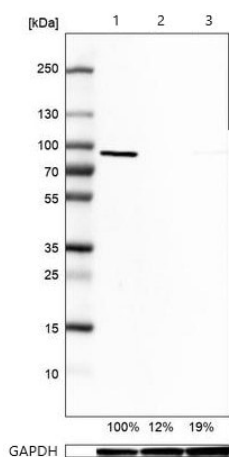
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DYNC1I2 antibody (ab204422)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human small intestine tissue labelling DYNC1I2 with ab204422 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-DYNC1I2 antibody (ab204422)

Immunofluorescent analysis of HEK 293 cells (PFA-fixed/Triton X-100 permeabilized) labeling DYNC1I2 with ab204422 at 4 µg/ml (green).



Western blot - Anti-DYNC1I2 antibody (ab204422)

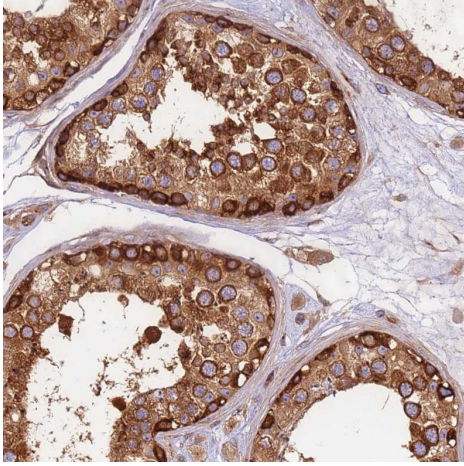
All lanes : Anti-DYNC1I2 antibody (ab204422) at 0.4 µg/ml

Lane 1 : U-2 OS (human bone osteosarcoma epithelial cell line) transfected with control siRNA, cell lysate

Lane 2 : U-2 OS cells transfected with target specific siRNA probe #1

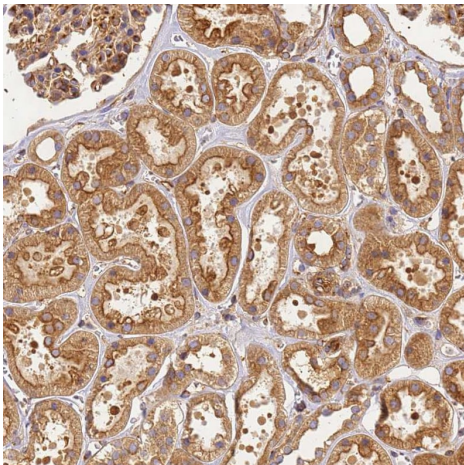
Lane 3 : U-2 OS cells transfected with target specific siRNA probe #2

Predicted band size: 71 kDa



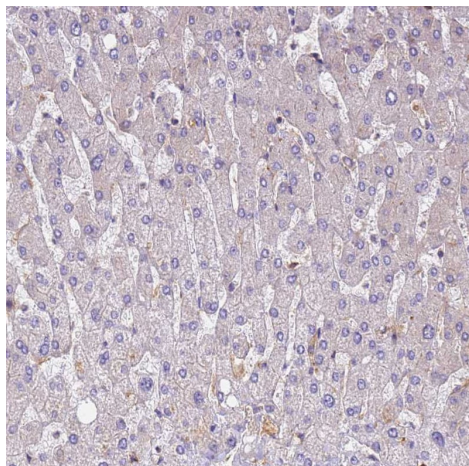
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DYNC1I2 antibody (ab204422)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human testis tissue labelling DYNC1I2 with ab204422 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DYNC1I2 antibody (ab204422)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling DYNC1I2 with ab204422 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DYNC1I2 antibody (ab204422)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling DYNC1I2 with ab204422 at 1/200 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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