For Research Use Only

CoraLite®594-conjugated DYNC2H1 Polyclonal antibody

Catalog Number:CL594-29758

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-29758

Concentration:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG30707

GenBank Accession Number:
NM_001377

GeneID (NCBI):
79659

UNIPROT ID:
Q8NCM8

Full Name:
dynein, cytoplasmic 2, heavy chain 1

Calculated MW:
493 kDa

Observed MW:
493 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse

Positive Controls:

IF/ICC : hTERT-RPE1 cells,

Background Information

DYNC2H1 (Cytoplasmic dynein 2 heavy chain 1) is involved in ciliary intraflagellar transport (IFT). DYNC2H1 drives retrograde transport of the IFT-A protein complex that regulates tip-to-base transport in cilia, involved in the generation and maintenance of cilia. DYNC2H1 variants or retina-predominant variants cause nonsyndromic retinal degeneration (PMID:32753734). DYNC2H1 mutations also cause asphyxiating thoracic dystrophy and short rib-polydactyly syndrome (PMID: 19442771). DYNC2H1 was localized to the basal bodies by immunofluorescence staining (PMID: 21552265, PMID: 26077881, PMID: 30320547).

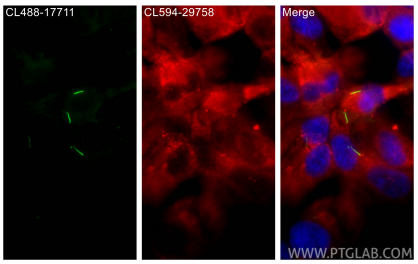
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using CoraLite®594 DYNC2H1 antibody (CL594-29758) at dilution of 1:200, CoraLite® Plus 488 ARL13B antibody (CL488-17711, green).