

DYNC1I2 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13349

Product Information

Application	WB
Primary Accession	Q13409
Other Accession	NM_001378 , NP_001369
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71457

Additional Information

Gene ID	1781
Alias Symbol Other Names	DNCI2, FLJ21089, FLJ90842, IC2, MGC104199, MGC111094, MGC9324 Cytoplasmic dynein 1 intermediate chain 2, Cytoplasmic dynein intermediate chain 2, Dynein intermediate chain 2, cytosolic, DH IC-2, DYNC1I2, DNCI2, DNCIC2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-DYNC1I2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	DYNC1I2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DYNC1I2 (HGNC:2964)
Synonyms	DNCI2, DNCIC2
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 (PubMed: 31079899). Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules (PubMed: 31079899). The intermediate chains mediate the binding of dynein to dynactin via its 150 kDa component (p150-glued) DCTN1 (By similarity).

Involved in membrane-transport, such as Golgi apparatus, late endosomes and lysosomes (By similarity).

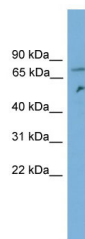
Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm {ECO:0000250|UniProtKB:O88487}.
Note=Detected in the cytoplasm of pachytene spermatocytes. Localizes to the manchette in elongating spermatids. {ECO:0000250|UniProtKB:O88487}

References

Huang J.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Li N.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



WB Suggested Anti-DYNC1I2 Antibody Titration: 0.2-1
µg/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate

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