

Rabbit DYNC1I2 Polyclonal Antibody | anti-DYNC1I2 antibody

DYNC1I2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327945	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DYNC1I2; Polyclonal Antibody; DYNC1I2 Antibody; Cytoplasmic dynein 1 intermediate chain 2; Cytoplasmic dynein intermediate chain 2; cytosolic; DC1I2_HUMAN; DH IC 2; DH IC-2; DNCI2; DNCIC2; Dync1i2; Dynein intermediate chain 2; Dynein; cytoplasmic; intermediate polypeptide 2; IC2; anti-DYNC1I2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DYNC1I2 antibody detects endogenous levels of total DYNC1I2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	638
Applicable Applications for anti-DYNC1I2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DYNC1I2
Subcellular Location	Cytoplasm > Cytoskeleton.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327945 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of DYNC1I2 using LOVO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-DYNC1I2 antibody	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. Subunit Structure: Homodimer (By similarity). The cytoplasmic dynein 1 complex consists of two catalytic heavy chains (HCs) and a number of non-catalytic subunits presented by intermediate chains (ICs), light intermediate chains (LICs) and light chains (LCs); the composition seems to vary in respect to the IC, LIC and LC composition. The heavy chain homodimer serves as a scaffold for the probable homodimeric assembly of the respective non-catalytic subunits. The ICs and LICs bind directly to the HC dimer and the LCs assemble on the IC dimer. Interacts with DYNLT1 and DYNLT3. Interacts with DCNT1 (By similarity). Interacts with human adenovirus 5 hexon protein; this interaction probably allows virus intracellular transport (PubMed:20006841). Interacts with BICD2 (By similarity). Post-translational Modifications: The phosphorylation status of Ser-90 appears to be involved in dynactin-dependent target binding. Similarity: Belongs to the dynein intermediate chain family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	422398885
NCBI GeneID	1781
NCBI Accession #	NP_001258714.1
NCBI GenBank Nucleotide #	NM_001271785.1
UniProt Accession #	Q13409; Q32LY9; Q53S84; Q5BJF8; Q7Z4X1; Q96NG7; Q96S87; Q9BXZ5; B7ZA04; D3DPD4; D3DPD5; D3DPD6
Molecular Weight	Observed: 71 kDa Predicted: 72 kDa
NCBI Official Full Name	cytoplasmic dynein 1 intermediate chain 2 isoform 1
NCBI Official Synonym Full Names	dynein cytoplasmic 1 intermediate chain 2
NCBI Official Symbol	DYNC1I2
NCBI Official Synonym Symbols	IC2; DIC74; DNCI2
NCBI Protein Information	cytoplasmic dynein 1 intermediate chain 2
UniProt Protein Name	Cytoplasmic dynein 1 intermediate chain 2
UniProt Gene Name	DYNC1I2
UniProt Synonym Gene Names	DNCI2; DNCIC2; DH IC-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dync1i2-antibody-immunohistochemistry-western-blot-elisa/327945>