

**DYNC1H1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21385b**

**Specification**

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**DYNC1H1 Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O14204</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Antigen Region	<b>4202-4236</b>

**DYNC1H1 Antibody (C-term) - Additional Information**

**Gene ID** 1778

**Other Names**

Cytoplasmic dynein 1 heavy chain 1, Cytoplasmic dynein heavy chain 1, Dynein heavy chain, cytosolic, DYNC1H1, DHC1, DNCH1, DNCL, DNECL, DYHC, KIAA0325

**Target/Specificity**

This DYNC1H1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 4202-4236 amino acids from the C-terminal region of human DYNC1H1.

**Dilution**

WB~~1:2000

IHC-P~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DYNC1H1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DYNC1H1 Antibody (C-term) - Protein Information**

**Name** DYNC1H1 ([HGNC:2961](#))

**Function** Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. Dynein has ATPase activity; the force-producing power stroke

is thought to occur on release of ADP. Plays a role in mitotic spindle assembly and metaphase plate congression (PubMed:[27462074](#)).

#### Cellular Location

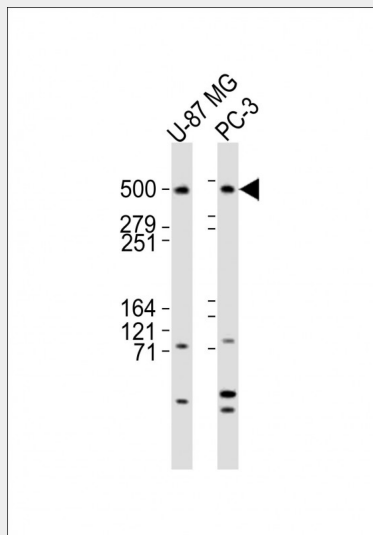
Cytoplasm, cytoskeleton

#### DYNC1H1 Antibody (C-term) - Protocols

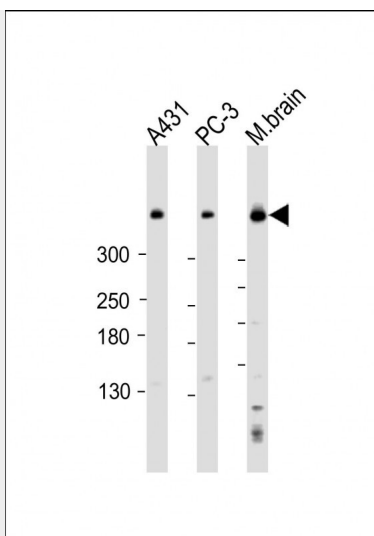
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

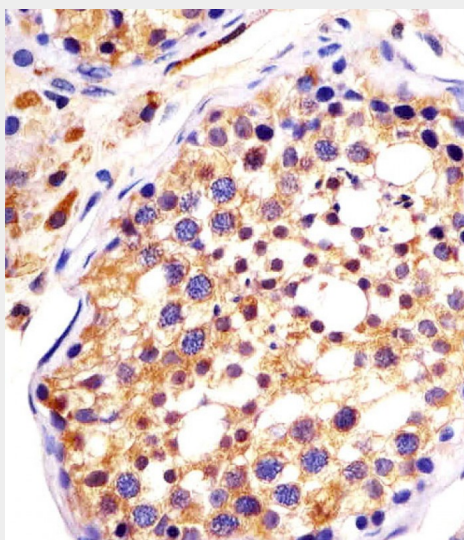
#### DYNC1H1 Antibody (C-term) - Images



All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: U-87 MG whole cell lysates Lane 2: PC-3 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-DYNC1H1 Antibody (C-term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 532 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AP21385b staining DYNC1H1 in human testis sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

### **DYNC1H1 Antibody (C-term) - Background**

Cytoplasmic dynein 1 acts as a motor for the intracellular retrograde motility of vesicles and organelles along microtubules. Dynein has ATPase activity; the force-producing power stroke is thought to occur on release of ADP.

### **DYNC1H1 Antibody (C-term) - References**

- Nagase T., et al. DNA Res. 4:141-150(1997).
- Ohara O., et al. Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.
- Yamakawa H., et al. Submitted (JAN-2007) to the EMBL/GenBank/DDBJ databases.

Vaisberg E.A., et al. J. Cell Biol. 133:831-842(1996).  
Vaisberg E.A., et al. J. Cell Biol. 123:849-858(1993).